Catalogue

Schütz GmbH Messtechnik

Tel.: +49 (0) 7821 3280 100

Fax.: +49 (0) 7821 3280 222

E-Mail:: info@schuetz-messtechnik.de

Internet: www.schuetz-messtechnik.de

Skype: schuetzmesstechnik

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NOTE:

If you or your company have been added to our mailing list, you will automatically receive our latest catalogue (please destroy previous versions).

Schütz Messtechnik

Innovation and reliability in gas measurement technology and service

Schütz GmbH Messtechnik is an experienced and qualified company that has been active for over 50 years as a service provider and as an equipment manufacturer for energy supply companies.

In the business area of services, Schütz inspects public gas pipe networks according to DVGW rules G465, G466-I and G466-II, is active in leak and pipe detection and carries out counter changes. In addition, technical seminars and training courses are held for employees of utility companies.

Schütz GmbH Messtechnik has been certified by the DVGW (German Technical and Scientific Association of Gas and Water e.V.) as a specialised company for the inspection of gas pipelines. Energy providers, who use a Geographic Information System (GIS), can have their pipeline network inspected by using digital technology of Schütz.

Today, the company counts more than 100 municipal utilities among its customers, here a long-standing and trusting business relationship is maintained.

In addition to service, Schütz GmbH Messtechnik has experience and high competence in the development of innovative gas measurement technology since the company its foundation in 1968. The gas measuring and detection devices are developed and manufactured in-house and distributed worldwide.

Since 2001 the company has a certified quality management system according to DIN EN ISO 9001:2000 for the areas of development and production. The wide range of products for the safety inspection of municipal gas networks includes gas measuring and tracking devices, probes, gas extraction systems, special measuring devices for leak detection and fully equipped measuring vehicles.
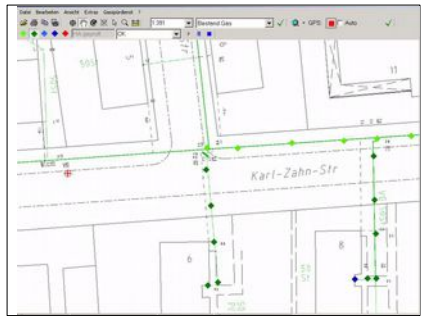
Service

Competence and security in providing service

Schütz Messtechnik offers energy supply companies a wide range of services.

Many years of experience and the high qualification of our employees guarantee a first-class and on-time service quality. Our team members are regularly trained and educated according to the latest findings.

Schütz Messtechnik has all the necessary DVGW approvals and has also been working with a quality management system in the service sector for many years.

We offer the following services for energy supply companies:

- **Inspection of underground gas pipelines**
  including locating, measuring, classifying and sketching of damaged areas according to the guidelines of the DVGW. On request also with digital plans.

- **Inspection of gas pipelines located in buildings**
  including verification and inventories.

- **Inspection of gas installations on factory premises**
  and in the area of industrial gas utilization.

- **Measurement of odorant concentrations**

- **Inspection and documentation of house installations**
  for serviceability and leakproofness.

- **Installation and delivery of house connection plaques**

- **Checking the signage**

- **Measurement and marking of house connection lines**

- **Locating and measuring unknown pipelines**

Device engineering

SCHÜTZ MESSTECHNIK

Innovation and experience in gas measurement and detection technology

For all measuring, testing and locating tasks when Gases are involved, energy supply companies can rely on the innovative and field-proven devices from Schütz GmbH Messtechnik.

All gas measuring and detection devices are designed and manufactured in-house by the company's own development department. In the areas of development and production, work has been carried out since 2001 according to a certified quality management system certified by the DVGW (German Technical and Scientific Association for Gas and Water).

Our product range includes the following devices and measuring systems:

Gas Measurement

- Gas detection equipment according to DVGW G 465-4
- Ex-protected gas detectors for personal protection
- Gas leakage measuring devices for measurements according to TRGI
- Special systems and accessories
- Test and calibration stations

Water technology

- Tracking devices
- Cap lifter
- Soanding boxes
- Tracking systems
- Cap detectors
- Line locators

Service

- Mobile Service

ISO Certificate

SCHÜTZ
MESSTECHNIK

Technische Überwachungsgemeinschaft TÜg GmbH

Die Organisation

SCHÜTZ
MESSTECHNIK

Schütz GmbH Messtechnik

Einsteinallee 5

77933 Lahr

wurde auditiert und hat nachgewiesen, dass die
Anforderungen der Norm für QM-Systeme

ISO 9001:2015

erfüllt sind.

Die Zertifizierung gilt für die Bereiche:

**Dienstleistung und Entwicklung von Gasspürgeräten,
Rohrnetzprüfung Gas und Wasser
sowie Herstellung von Gasmessgeräten**

Reg.-Nr.: Q-02846-20-1

Gültigkeit des Zertifikats: 19.06.2023

DAkkS
Deutsche
Akkreditierungsstelle
D-ZM-17333-01-00

Für die TÜg Prüf- und Zertifizierungsstelle
Robert Lindenberg
Ausstellungsdatum: 18.06.2020
TÜg-GmbH, Basler Str. 115a, 79115 Freiburg

TÜg
Technische
Überwachungsgemeinschaft
Zertifizierungsstelle für
Management-
Systeme

Technische Überwachungsgemeinschaft TÜg GmbH
· www.tueg-gmbh.de·

DVGW Certificate

G 468-1
DVGW
CERT

DVGW
CERT

Zertifikat über ein DVGW-Fachunternehmen

certificate for a DVGW expert company

FU-4681AT4036
Registriernummer
registration number

Anwendungsbereich *field of application*	**Gas-Rohrnetzüberprüfungsunternehmen nach DVGW G 468-1** *pipeline inspection companies according to DVGW G 468-1*
Zertifikatinhaber *owner of certificate*	Schütz GmbH Messtechnik Einsteinallee 5, D-77933 Lahr
Zertifizierungsumfang *certification scope*	Rohrnetzüberprüfung Gas Rohrnetzüberprüfung Gas
Prüfgrundlagen *basis of examination*	DVGW G 468-1 (Oktober 2002) Qualifikationskriterien für Gasrohrnetz-Überprüfungsunternehmen
Fachleute *experts*	Dipl.-Ing. (FH) Volker Heimburger Verantwortlicher Fachmann

Geltungsdauer / AZ
period of validity / file no.   01.04.2021 bis 31.03.2026 / 20-0473-UPV

Dieses Zertifikat ist nur gültig in Verbindung mit einem entsprechenden Eintrag im Internet-Verzeichnis der DVGW CERT GmbH (http://www.dvgw-cert.com/de/unternehmen/verzeichnisse.html). Das Zertifikat bleibt Eigentum der DVGW CERT GmbH und muss auf Verlangen an die DVGW CERT GmbH zurückgegeben werden.

08.03.2021 Str A1/1
Datum, Bearbeiter, Blatt, Leiter der Zertifizierungsstelle
date, issued by, sheet, head of certification body

DAkkS
Deutsche
Akkreditierungsstelle
D-ZE-16028-01-03

DVGW CERT GmbH
Zertifizierungsstelle

Josef-Wirmer-Str. 1-3
53123 Bonn

Tel. +49 228 91 88 - 888
Fax +49 228 91 88 - 993

www.dvgw-cert.com
info@dvgw-cert.com

Devices

Mobile measuring unit VGS 4500
VGS 4500

Item number: G30.200

The mobile measuring unit "VGS 4500" from Schütz GmbH Messtechnik is a system with which the above-ground gas pipeline network inspection of traversable pipelines can be carried out in accordance with the new DVGW regulations of 2019 with a motor vehicle.

The Scout VGS 4500 is modular with different vehicle types, such as pickup, quad or passenger car, applicable and easy to operate. In the desert, the measuring unit has already proven its reliability and its enormous practicality under the most difficult environmental conditions.

For methane gas detection, an innovative laser measurement system is used that allows a very high sampling rate and equally high measurement sensitivity of 0.01 ppm. Due to the laser being set to methane (CH_4), there is no cross-sensitivity to other gases such as car exhaust, LPG or other hydrocarbon gases.

The Scout VGS 4500 measuring unit is operated and monitored using a tablet PC. The software was developed and programmed by Schütz GmbH Messtechnik specifically for the system. It displays the measurement route in real time, automatically records and logs each leak. In the scope of delivery: a worldwide overview map (OSM) is already included. Furthermore, a map of the gas pipeline network to be inspected can be read in.

ppb = Parts per billion (1ppm = 1000ppb)

Technical data:

Sensor	laser spectroscopy
Measuring range	0.01-20.000 ppm CH_4 (Methane) in air
Minimum sensitivity	0.01 ppm
Maximum measuring speed of the vehicle	50 km / h
Operating temperature	-10 °C - + 50 °C
Ambient temperature measuring cell	10 °C - 30 °C
Protection class	IP 54
Power supply	12V
Humidity	0% - 90% r.F non condensing
Casing	stainless steel
Dimensions	900 x 250 x 245mm
Weight	ca. 30 kg
Interface	LAN

Including:	measuring cell
	Tablet pc
	Front probe with 8 to 10 suction points
	12 V connection cable
	Connection adapter front probe / vehicle
	Filter

SCHÜTZ MESSTECHNIK

GMS 4000 complete set
1ppm to 100 Vol.% CH4, 100 % CO2, O2, CO, H2S, C4H6

Item number: G02.901

The innovative "GMS 4000" device has been equipped with the most up-to-date connectivity and can carry out the network operator's entire range of measurement and monitoring tasks.

Localizing measuring data is also possible with this trend-setting Product. The GMS 4000 is equally suitable for above-ground gas pipe network checking, measurement of gas and ground gas, gas analysis or room air Monitoring. With its infrared measuring technology this measurement instrument can accurately identify natural gas and CO2 without cross-sensitivity.

The GMS 4000 has the following capabilities:

- Large LCD display with automatic lighting
- Infrared measurement technology for CH4 and CO2
- Gas analysis in the differenciation of ethane and propane from a few ppm
- Electrochemical measurement technology for O2, CO, H2S (optional)
- Integrated GPS receiver with data storage
- Integrated Bluetooth interface
- Free PC software for file transfer

Sensors

Semiconductor sensor	ppm CH4
Infrared sensor	Vol.% CH4
Infrared sensor	Vol% CO2
Electrochemical	Vol.% O2
Electrochemical	ppm CO – H2S
Gas chronomatography	Determination of the gas composition

Technical data:

Display	LCD, backlit
Alarm	acoustical, optical
Measured data memory	40 measurements
Measuring range	1 ppm - 2,2 Vol.% CH4
	0 - 100 Vol.% CH4
	0 - 100 Vol.% CO2
	0 - 25 Vol.% O2
	0 – 500 ppm CO
	0 – 100 ppm H2S
Gases	Methane, Natural gas, Carbon dioxide, Oxygen, Carbon monoxide, Hydrogen sulfide
Calibration	Methane
Operating temperature	-20°C to 40°C
EX protection	**II 2G EEx ib d IIB T3**
	suitable for Ex Zone 1, 2
Power supply	rechargeable batteries, 3x 1,2V Monocells (included in delivery)
Operating Time	<12 hours
Weight	1400g
Dimensions	250 x 65 x 120mm
Casing	Aluminum, powder coated
Interface	RS232 series, Bluetooth, GPS
Scope of delivery	GMS 4000, 230V charger, 100 Anti-dust filters, Carrying Case, Operating Instructions, Certificate

Devices

GMS 4000 SC-IR 100%, CO2, O2, CO, H2S
HL-IR 100%, CO2, O2, CO, H2S

Item number: G02.903

Gas detection and measurement device GMS 4000

Sensors

Semiconductor sensor	ppm CH4
Infrared sensor	Vol.% CH4
Infrared sensor	Vol.% CO2
Electrochemical	Vol.% O2
Electrochemical	ppm CO/H2S

Technical data:

Measuring range	1 ppm - 2,2 Vol.% CH4
	0 - 100 Vol.% CH4
	0 - 100 Vol.% CO2
	0 - 25 Vol.% O2
	0 - 500ppm CO
	0 - 100ppm H2S
Gases	Methane, Natural gas, Carbon dioxide, Oxygen, Carbon monoxide, Hydrogen sulfide

For more technical data see Item number G02.901

GMS 4000 SC-IR 100%, CO2, CO, H2S, C2H6
HL-IR 100%, CO2, CO, H2S, C2H6

Item number: G02.905

Gas detection and measurement device GMS 4000

Sensors

Semiconductor sensor	ppm CH4
Infrared sensor	Vol.% CH4
Infrared sensor	Vol.% CO2
Electrochemical	ppm CO – H2S
Gas chromatography	Determination of the gas composition

Technical data:

Measuring range	1 ppm - 2,2 Vol.% CH4
	0 - 100 Vol.% CH4
	0 - 100 Vol.% CO2
	0 – 500 ppm CO
	0 – 100 ppm H2S
Gases	Methane, Natural gas, Ethan, Carbon dioxide Carbon monoxide, Hydrogen sulfide

For more technical data see item number G02.901

Devices

GMS 4000 SC-IR 100%, CO2, CO, C2H6

HL-IR 100%, CO2, CO, C2H6

Item number: G02.909

Gas detection and measurement device GMS 4000

Sensors

Semiconductor sensor	ppm CH4
Infrared sensor	Vol.% CH4
Infrared sensor	Vol.% CO2
Electrochemical	ppm CO
Gas chromatography	Determination of the gas composition

Technical data:

Measuring range	1 ppm - 2,2 Vol.% CH4
	0 - 100 Vol.% CH4
	0 - 100 Vol.% CO2
	0 – 500 ppm CO
Gases	Methane, Natural gas, Carbon dioxide
	Carbon monoxide, Ethan
Calibration	Methane

For more technical data see item number G02.901

GMS 4000 SC-IR 100%, CO2, CO, H2S

HL-IR 100%, CO2, CO, H2S

Item number: G02.907

Gas detection and measurement device GMS 4000

Sensors

Semiconductor sensor	ppm CH4
Infrared sensor	Vol.% CH4
Infrared sensor	Vol.% CO2
Electrochemical	ppm CO – H2S
Gas chromatography	Determination of the gas composition

Technical data:

Measuring range	1 ppm - 2,2 Vol.% CH4
	0 - 100 Vol.% CH4
	0 - 100 Vol.% CO2
	0 – 500 ppm CO
	0 – 100 ppm H2S
Gases	Methane, Natural gas, Ethan, Carbon dioxide
	Carbon monoxide, Hydrogen sulfide
Calibration	Methane

For more technical data see item number G02.901

Devices

GMS 4000 SC-IR 100%, CO2, CO

HL-IR 100%, CO2, CO

Item number: G02.911

Gas detection and measurement device GMS 4000

Sensors

Semiconductor sensor	ppm CH4
Infrared sensor	Vol.% CH4
Infrared sensor	Vol.% CO2
Electrochemical	ppm CO

Technical data:

Measuring range	1 ppm - 2,2 Vol.% CH4
	0 - 100 Vol.% CH4
	0 - 100 Vol.% CO2
	0 – 500 ppm CO
Gases	Methane, Natural gas, Carbon dioxide
	Carbon monoxide

For more technical data see item number G02.901

GMS 4000 SC-IR 100%, CO2, H2S, C2H6

HL-IR 100%, CO2, H2S, C2H6

Item number: G02.913

Gas detection and measurement device GMS 4000

Sensors

Semiconductor sensor	ppm CH4
Infrared sensor	Vol.% CH4
Infrared sensor	Vol.% CO2
Electrochemical	ppm H2S
Gas chromatography	Determination of the gas composition

Technical data:

Measuring range	1 ppm - 2,2 Vol.% CH4
	0 - 100 Vol.% CH4
	0 - 100 Vol.% CO2
	0 – 100 ppm H2S
Gases	Methane, Natural gas, Ethan,
	Carbon monoxide, Hydrogen sulfide

For more technical data see item number G02.901

Devices

SCHÜTZ MESSTECHNIK

GM 5 Complete set, SC-TT-CT-IR
1ppm to 100 Vol.% CH4, 100 % CO2

Item number: G01.810

The "GM 5" always offers the highest accuracy results, even with changing tasks. It is due to the fact, that it can be adjusted for different measuring tasks as well as changed measuring environments.

The device monitors the aspirated volume flow and can adapt to the changed measuring environment. It can preset, monitor and readjust the volume flow, too.

For commissioning, simply select a task in the main menu, e.g. gas detection, and the measuring instrument then automatically sets the sensor selection, measuring range, pump output and alarm message according to a defined programme.

Maximum ease of maintenance and maximum availability are offered to the user by the fact that the "intelligent" measuring sensors can be quickly replaced if necessary without configuration problems.

The symbolism corresponds to the DVGW G465 supplement.

Sensors

Semiconductor sensor	1ppm - 2,2 Vol.% CH4
Catalytic bead sensors	0 - 100 Vol.% UEG
Thermal conductivity sensor	0 – 100 Vol.% CH4
Infrared sensor	0 - 100 Vol.% CO2

Technical data:

Display	LCD, backlit
Alarm	acoustical, optical
Measured data memory	40 Measurements
Measuring range	1ppm - 100 Vol.% CH4
Gases	Methane, Propan, Carbon dioxide, Hydrogen
Calibration	Methane
Operating Temperature	-20°C to 40°C
EX protection	**II 2G EEx ib d IIB T3 suitable for Ex Zone 1, 2**
Power supply	batteries, 3x 1,5V monocells or rechargeable batteries, 3x 1,2V Monocells (included in delivery)
Operating Time	with batteries, typically 12 hours
Weight	1700g
Dimensions	215 x 100 x 60mm
Casing	Aluminum, powder coated
Interface	serial, RS232, Bluetooth Option

Scope of delivery:

GM 5, telescope hand probe, carrying strap, 230V charger, carrying strap equipment case, 100 pcs. Anti-dust filter, instruction manual, Certificate

Devices

SCHÜTZ MESSTECHNIK

GM 5 Complete set SC-CBS-TCS

Item number: G01.815

Gas detection and measurement device GM 5

Sensors
Semiconductor sensor	1ppm – 2,2 Vol-% CH4
Catalytic bead sensors	0 - 100% UEG
Thermal conductivity sensor	0 – 100 Vol.% CH4

Technical data:
Measuring range	1ppm - 100 Vol.% CH4
Gases	Methane, Propan, Hydrogen
Calibration	Methane

Optionally, the device can be calibrated to propane

For more technical data see item number G01.810

GM 5 Complete set, SC-CBS
1ppm to 100 Vol.% CH4

Item number: G01.820

Gas detection and measurement device GM 5

Sensors
Semiconductor sensor	1ppm – 2,2 Vol.% CH4
Thermal conductivity sensors	0 – 100 Vol.% CH4

Technical data:
Measuring range	1ppm - 100 Vol.% CH4
Gases	Methane, Propan, Hydrogen
Calibration	Methane

Optionally, the device can be calibrated to propane

For more technical data see item number G01.810

Devices

![SCHÜTZ MESSTECHNIK logo]

GM 5 Complete set CS-CBS Hydrogen
1ppm to 100 Vol.% H2

Item number: G01.825

Gas detection and gas measuring device with special hydrogen
semiconductor sensor
and thermal conductivity sensor (H2).

Ideal for leak detection on underground pipelines with the tracer gas
method. Calibrated to Hydrogen.

Gas detection and measurement device GM 5

Sensors
Semiconductor sensor	1ppm – 2,2 Vol.% H2
Thermal conductivity sensor	0 – 100 Vol.% H2

Technical data:
Measuring range	1ppm - 100 Vol.% H2
Gases	Hydrogen, Methane, Propan
Calibration	Hydrogen

For more technical data see item number G01.810

GM 5 Complete set SC-CBS CH4/C3H8
1ppm to 100 Vol.% CH4 / C3H8

Item number: G01.826

The indicator of the unit can be switched between methane and propane.

Gas detection and measurement device GM 5

Sensors
Semiconductor sensor	1ppm – 2,2 Vol.% CH4/C3H8
Thermal conductivity sensor	0 – 100 Vol.% CH4/C3H8

Technical data:
Measuring range	1ppm - 100 Vol.% CH4/C3H8
Gases	Methane, Propan, Hydrogen
Calibration	Methane, Propan

For more technical data see item number G01.810

Devices

SCHÜTZ MESSTECHNIK

GM 3100 Complete set SC-IR
1ppm to 100 Vol.% CH4

Item number: G01.870

Especially the infrared measurement technique offers a maximum of robustness and reliability. In addition, the selectivity of the systems is greatly improved compared to thermal conduction.

The GM 3100 always offers the highest result accuracy, even by changing tasks. It is due to the fact, that it can be readjusted for different measuring tasks as well as changed measuring environments. The device monitors the aspirated volume flow and can adapt to the changed measuring environment. In addition to reliable measurement results, this also ensures optimum stability and consistent response times.

The symbolism corresponds to the DVGW G465 supplement.

Sensors

Semiconductor sensor	ppm CH4
Infrared sensor	Vol.% CH4

Technical data:

Display	LCD, illuminated
Alarm	acoustical, optical
Measured data memory	40 Measurements
Measuring range	1 ppm - 2,2 Vol.% CH4
	0 - 100 Vol.% CH4
Gases	Methane, Natural gas
Calibration	Methane
Operating Temperature	-20°C to 40°C
EX protection	**II 2G EEx ib d IIB T3**
	suitable for Ex Zone 1, 2
Power supply	Battery, 3x 1,5V Monocells or
	Akku, 3x 1,2V Monocells (included in delivery)
Operating Time	With Batteries, typicaly 12 hours
Weight	1700g
Dimensions	215 x 60 x 100mm
Casing	Aluminum, powder coated
Interface	serial, RS232
	Bluetooth, Option
Scope of delivery:	GM 3100, telescope hand probe, carrying strap,
	230V charger, carrying strap, equipment case,
	100 pcs. Anti-dust filter, operation manual, certificate

Hydrogen is not measured by the IR sensor.

Devices

GM 3100 Complete set, SC-IR 100% CO2
1ppm to 100 Vol.% CH4, CO2

Item number: G01.880

Gas detection and measurement device GM 3100

Sensors

Semiconductor sensor	ppm CH4
Infrared sensor	Vol.% CH4
Infrared sensor	Vol.% CO2

Technical data:

Measuring range	1 ppm - 2,2 Vol.% CH4
	0 - 100 Vol.% CH4
	0 - 100 Vol.% CO2
Gases	Methane, Natural gas, Carbon dioxide
Calibration	Methane, Carbon dioxide

For more technical data see item number: G01.870

GM 3100 Complete set, SC-IR, O2
1ppm to 100 Vol.% CH4, 25 Vol.% O2

Item number: G01.878

Gas detection and measurement device GM 3100

Sensors

Semiconductor sensor	ppm CH4
Infrared sensor	Vol.% CH4
Electrochemical	Vol.% O2

Technical data:

Measuring range	1 ppm - 2,2 Vol.% CH4
	0 - 100 Vol.% CH4
	0 - 25 Vol.% O2
Gases	Methane, Natural gas, Oxygen
Calibration	Methane, Oxygen

For more technical data see item number G01.870

Devices

GM 3100 Complete set, SC-IR 100% CO2, O2

1ppm to 100 Vol.% CH4, CO2, 25% Vol.% O2

Item number: G01.888

Gas detection and measurement device GM 3100

Sensors

Semiconductor sensor	ppm CH4
Infrared sensor	Vol.% CH4
Infrared sensor	Vol.% CO2
Electrochemical	Vol.% O2

Technical data:

Measuring range	1 ppm - 2,2 Vol.% CH4
	0 - 100 Vol.% CH4
	0 - 100 Vol.% CO2
	0 - 25 Vol.% O2
Gases	Methane, Natural gas, Carbon dioxide, Oxygen
Calibration	Methane, Carbon dioxide, Oxygen

For more technical data see item number G01.870

GM 3100 Complete set, HL-IR, CO, O2

1ppm to 100 Vol.% CH4, 25 Vol.% O2, 500ppm CO

Item number: G01.874

Gas detection and measurement device GM 3100

Sensors

Semiconductor sensor	ppm CH4
Infrared sensor	Vol.% CH4
Electrochemical	Vol.% O2
Electrochemical	ppm CO

Technical data:

Measuring range	1 ppm - 2,2 Vol.% CH4
	0 - 100 Vol.% CH4
	0 – 500 ppm CO
	0 - 25 Vol.% O2
Gases	Methane, Natural gas, Carbon monoxide, Oxygen
Calibration	Methane, Carbon monoxide, Oxygen

For more technical data see item number G01.870

Devices

GM 3100 Complete set, SC-IR 100% CO2, CO, O2
1ppm to 100 Vol.% CH4, CO2, 25% Vol.% O2, 500 ppm CO

Item number: G01.884

Gas detection and measurement device GM 3100

Sensors

Semiconductor sensor	ppm CH4
Infrared sensor	Vol.% CH4
Infrared sensor	Vol.% CO2
Electrochemical	Vol.% CO
Electrochemical	ppm O2

Technical data:

Measuring range	1 ppm - 2,2 Vol.% CH4
	0 - 100 Vol.% CH4
	0 - 100 Vol.% CO2
	0 - 25 Vol.% O2
	0 – 500 ppm CO
Gases	Methane, Natural gas, Carbon dioxide, Carbon monoxide, Oxygen
Calibration	Methane, Carbon dioxide, Carbon monoxide, Oxygen

For more technical data see item number G01.870

GM 3100 Complete set, SC-IR, H2S, O2
1ppm to 100 Vol.% CH4, 25 Vol.% O2, 100ppm H2S

Item number: G01.876

Gas detection and measurement device GM 3100

Sensors

Semiconductor sensor	ppm CH4
Infrared sensor	Vol.% CH4
Electrochemical	Vol.% H2S
Electrochemical	ppm O2

Technical data:

Measuring range	1 ppm - 2,2 Vol.% CH4
	0 - 100 Vol.% CH4
	0 – 100 ppm H2S
	0 - 25 Vol.% O2
Gases	Methane, Natural gas, Hydrogen sulfide, Oxygen
Calibration	Methane, Hydrogen sulfide, Oxygen

For more technical data see item number G01.870

Devices

GM 3100 Complete set, SC-IR 100% CO2, H2S, O2
1ppm to 100 Vol.% CH4, CO2, 25% Vol.% O2, 100 ppm H2S

Item number: G01.886

Gas detection and measurement device GM 3100

Sensors

Semiconductor sensor	ppm CH4
Infrared sensor	Vol.% CH4
Infrared sensor	Vol% CO2
Electrochemical	Vol.% O2
Electrochemical	ppm H2S

Technical data:

Measuring range	1 ppm - 2,2 Vol.% CH4
	0 - 100 Vol.% CH4
	0 - 100 Vol.% CO2
	0 - 25 Vol.% O2
	0 – 100 ppm H2S
Gases	Methane, Natural gas, Carbon dioxide, Oxygen, Hydrogen sulfide
Calibration	Methane, Carbon dioxide, Oxygen, Hydrogen sulfide

For more technical data see item number G01.870

GM 3100 Complete set, SC-IR, CO, H2S, O2
1ppm to 100 Vol.% CH4, 25 Vol.% O2, 500 ppm CO, 100 ppm H2S

Item number: G01.872

Gas detection and measurement device GM 3100

Sensors

Semiconductor sensor	ppm CH4
Infrared sensor	Vol.% CH4
Electrochemical	Vol.% O2
Electrochemical	ppm CO-H2S

Technical data:

Measuring range	1 ppm - 2,2 Vol.% CH4
	0 - 100 Vol.% CH4
	0 - 25 Vol.% O2
	0 – 500 ppm CO
	0 – 100 ppm H2S
Gases	Methane, Natural gas, Oxygen, Carbon monoxide, Hydrogen sulfide
Calibration	Methane, Hydrogen sulfide, Oxygen

For more technical data see item number G01.870

Devices

SCHÜTZ MESSTECHNIK

GM 3100 Complete set, SC-IR 100% CO2, CO, H2S, O2
1ppm to 100 Vol.% CH4, CO2. 25% O2, 500ppm CO, 100ppm H2S

Item number: G01.882

Gas detection and measurement device GM 3100

Sensors

Semiconductor sensor	ppm CH4
Infrared sensor	Vol.% CH4
Infrared sensor	Vol% CO2
Electrochemical	Vol.% O2
Electrochemical	ppm CO - H2S

Technical data:

Measuring range	1 ppm - 2,2 Vol.% CH4
	0 - 100 Vol.% CH4
	0 - 100 Vol.% CO2
	0 - 25 Vol.% O2
	0 – 500 ppm CO
	0 – 100 ppm H2S
Gases sulfide	Methane, Natural gas, Carbon dioxide, Oxygen, Carbon monoxide, Hydrogen
Calibration	Methane, Carbon dioxide, Oxygen, Carbon monoxide, Hydrogen sulfide

For more technical data see item number G01.870

Devices

PGC Complete set
Ethan proof

Item number: 200.159

Ideal for uncomplicated ethane detection on site. No additional measuring device is required here. Complete, quick documentation and comparison possibility through the immediate printout of the measurement results. Functional with the built-in battery, directly from the car-cigarette lighter or with 230V power supply.

With the LCD display and the measured values directly visible on it, operation is possible without a printer.

With all necessary parts. Sample bag, hand pump, thermal printer, 12V automotive connection cable.

EL LMG-05, basic set offers:
- Automatic measurement sequence
- Independent sampling from gas collection pipe, bladder or borehole probe
- Printout of the measurement data
- Storage of the Measurements
- From a few ppm to 100 vol.% Natural gas
- Propane detection possible
- No additional measuring device necessary

With the new unique PGC you can distinguish sump gas, natural gas and propane within a very short time. The PGC contains an integrated measuring cell. This means that no additional gas measuring device is required for the analysis. You also do not need an expensive carrier gas.

Technical data:

Display	LCD, backlit
Measuring range	100ppm to 100 Vol.% sample gas in the borehole
Detection	Hydrogen, Methane, Ethan and Propan
Detection limit	10 ppm Ethan (According to DVGW regulations)
Test gas	50ppm Ethan (According to DVGW regulations)
Operating Temperature	0°C to 40°C
Protection class	IP 54
Power supply	Rechargeable batteries (Lithium-Ionen-batteries), 12V Kfz, 230V
Operating Time	more than 200 Measurementswith one Battery
Dimensions	158 x 63 x 229mm
Weight	1kg

Scope of delivery: PCR Portable Gas-Chromatograph, 230V Power supply unit, 12V Automotive cable 15pol, carrying strap thermal printer with battery and power supply unit, 1 gas sample bag, suction hose, hose adapter 2021, hose adapter 2120, Hand pump, Inscription labels of the sample bags, data transmission cable, test report template, equipment case, instruction manual, certificate.

Devices

Extraction system MVS 302
with a Suction sample

Item number: G00.910

The vacuum pump is used for the suction of gas nests in the road constructions
and enables the localization of gas leakage points on gas-contaminated
on gas-contaminated pipeline sections.

A gas detection device can be connected to the vacuum mobile system
while the gas concentration can be measured continuously.

This system can be also used for the non-destructive testing of buried
heavy gas pipelines (propane, butane).
The Pressure gauge attached to the probes indicates the respective
negative pressure.

With this equipment, excellent inspection results have been achieved for
heavy gas networks.

Extraction system for the removal of large gas accumulations
during the localization of leaks.

Included:
- Intake device
- Holder for gas detector
- Negative pressure gauge
- Filter with water barrier
- With powder coated aluminum housing
- Connecting hose

Technical data:

Conveying capacity	14m3
Max. negative pressure	850 mbar
Pressure gauge	0 - 1,0bar
Protection class	IP54
Operating voltage	230V AC voltage
Power consumption	230V, 0,5 kW
Weight	33 kg
Dimensions	L x W x H, 32 x 47 x 65cm

Scope of delivery: Vacuum pump
one probe
5m hose

Im Scope of delivery is included a suction probe with negative pressure gauge for sucking the gas concentration from
the borehole. Thinner probe tips are also available for other wells.

A maximum of 3 probes can be connected for simultaneous suction from three boreholes (accessories).

Devices

LMG-05 Basis-Set
with accessories

Item number: G05.200

LMG-05 TRGI GAS LINE TESTER

The complete solution for load, leak and serviceability testing of serviceability testing of gas pipelines safely and quickly, including documentation.

DSGVO-compliant since all personal data is protected by PIN against protected against unauthorized access. Measurement result printable at the test point on site, fully automatic and without interruption of the system.

Das LMG-05 Basis-Set offers:
- Lightweight construction
- Shock protection cover
- Very short measuring time
- Long operating Time
- Pressure test to 10 bar
- Measurement results printable on site (optional)
- to 1.000 Customers storable
- to 1.000 Measurements storable
- Software for PC free of charge
- Free service hotline available
- Integrated pump for pressure generation
- Battery operation, rechargeable battery operation and mains operation possible

Accessory sets available for pipeline constructors or network operators

Technical data:

Display	color-LCD, illuminated
Alarm	acoustical, optical
Measuring range	0,1mbar - 5 bar
	0,1 - 10 bar
Operating temperature	-20°C to 40°C
Measured data memory	1000 Measurements, 1000 Address data, 1000 Employees
Protection class	IP 54
Protection class	batteries, rechargable batteries, 4 x AA
Operating Time	typically 14 hours
Casing	Plastic with shock protection
Dimensions	22 x 12 x 6mm
Weight	600 g
Interface	serial USB, Bluetooth, IR

Scope of delivery: LMG-05 with data storage, carrying strap, Shock cover with magnetic holder, equipment case, Cap with rotating ring DN25 with couplings, Connection adapter, Test plug 3/4" to 1 1/4" (size 1), Hoseset for leakage control/usability test, charger for 4 pieces of batteries AA, PC-Software Data transmission cable, instruction manual, certificate

Devices

SCHÜTZ MESSTECHNIK

LMG-05 Profi-Set
with accessories

Item number: G05.201

LMG-05 TRGI GAS LINE TESTER

The complete solution for load, leak and serviceability testing of gas lines
Safe and fast execution incl. documentation.

With this version you can print the measurement result at the test point
on site, fully automatically and without interrupting the system.

Das LMG-05, Profi-Set offers:
- Lightweight construction
- Shock protection cover in the scope of delivery
- Very short measuring time
- Lange Betriebszeit
- Pressure test to 10 bar
- Measurement results printable on site (optional)
- Personalization of the devices
- up to 1.000 customers storable
- up to 1.000 measurements can be stored
- Software for PC free of charge
- Free service hotline available
- Integrated pump for pressure generation
- Battery operation, rechargeable battery operation and mains operation possible

Accessory sets for pipeleitungsbauer or Network operator available

Technical data:

Display	Color LCD, backlit
Alarm	acoustical, optical
Measuring range	0,1mbar - 5 bar
	0,1 - 10 bar
Operating temperature	-20°C to 40°C
Measured data memory	1000 Measurements, 1000 Address data, 1000 Employees
Protection class	IP 54
Protection class	batteries, rechargable batteries, 4 x AA
Operating Time	typicaly 14 hours
Casing	Plastic with shock protection
Dimensions	22 x 12 x 6mm
Weight	600 g
Interface	serial USB, Bluetooth, IR

Scope of delivery: LMG-05 with data storage, carrying strap, Shock cover with magnetic holder,equipment case, Cap with rotating ring DN25 with couplings, Connection adapter,Test plug 3/4" to 1 1/4" (size 1), Y-Adapter, 21 er coupling 1,5 m, Hoseset for leakage control/usability test, Hand pump, Hand pump check valve, Infrared printer, charger for 4 pcs. batteries or rechargable batteries AA, 4 St. AA, Battery PC-Software; Data transmission cable, instruction manual, certificate

Devices

SCHÜTZ MESSTECHNIK

GPL 3000 180mm swan neck
ppm - 1 Vol.% CH4

Item number: G00.130

With the GasPen light 3000 you can find the smallest leaks in the installation area. Leak detection is very problematic, especially when sealing with swellable materials.

The leak detection sprays cause the sealing materials to swell and the leak is briefly resealed.

The sensor in the GasPen light 3000 is protected against contamination and mechanical stress by a protective metal cap.

With its robust metal sensor head and stable Casing, the GasPen light 3000 is a professional leak detector for daily use.

With:

- suitcase
- batteries
- instruction manual
- certificate
- 30 years warranty
- voucher for free annual service

Technical data:

Display	5x LED
Alarm	acoustical, optical
Measuring range	10 ppm - 1,0 Vol.%
Gases	flammable gases
Calibration	Methane
Operating Temperature	0°C to 40°C
Protection class:	IP54
Protection class	2x AA (battery or rechargeable)
Operating Time	batteries >6 hours rechargeable batteries >8 hours
Weight	ca 135g (without Battery)
Dimensions	135 x 45 x 25mm
Swan neck	180mm

Devices

GPL 3000 Ex 180mm swan neck
ppm - 1 Vol.% CH4

Item number: G00.135

The gas detector GasPen light 3000 Ex is suitable for detecting and locating leaks in pipes.

Due to the simple operation of the GasPen light 3000 Ex, even the inexperienced user is able to locate existing leaks.

The GasPen light 3000 Ex is by its size and handiness ideal for all installers or trouble-shooters.

With the movable sensor head, you can easily measure even in inaccessible places.

With explosion protection approval.

With:

- suitcase
- batteries
- instruction manual
- certificate
- 30 years warranty
- voucher for free annual service

Technical data:

Display	5x LED
Alarm	acoustical, optical
Measuring range	10 ppm - 1,0 Vol.%
Gases	flammable Gases
Calibration	Methane
Operating Temperature	0°C to 40°C
Protection class	IP54
EX protection	**II 2G EEx ib IIC T1** suitable for Ex Zone 1
Protection class	2x Mignon (battery or rechargeable)
Operating Time	battery >6 hours rechargeable batteries >8 hours
Weight	ca 135g
Dimensions	135 x 45 x 25mm
Swan neck	180mm

Devices

GPL 3000 with telescopic probe
with telescopic probe up to 1,7m

Item number: G00.145

To optimize the use and higher range.

GPL 3000 With:

Telescope and swan neck, 1,7m with integrated sensor.

Technical data:

Weight	197g
Dimensions	135 x 45 x 25mm
swan neck	1,7m

For more technical data see Item number G00.130

GPL 3000 Ex with telescopic probe
with telescopic probe up to 1,7m

Item number: G00.140

Variant with telescopic probe and ATEX.

GPL 3000 Ex With:

Telescope and swan neck, 1,7m with integrated sensor.

Technical data:

Ex-Schütz	EX II 2G EEx ib IIC T1 suitable for ex-Zone 1
Weight	197g
Dimensions:	135 x 45 x 25mm
swan neck	1,7 m

For more technical data see item number G00.135

Devices

GPL 3000 180mm Propan LPG

ppm - 1 Vol.% LPG

Item number: G00.139

GPL 3000 with LPG-Calibration

Technical data:

Measuring range	10 ppm - 1,0 Vol.%
Gases	flammable gases
Calibration	GLP
Operating Temperature	0°C to 40°C
Protection class	IP54

For more technical data see item number G00.130

GPL 3000 180mm EX Propan

ppm - 1 Vol.% C3H8

Item number: G00.137

GPL 3000 Ex with propane calibration

Technical data:

Measuring range	10 ppm - 1,0 Vol.%
Gases	flammable gases
Calibration	Propan
Operating Temperature	0°C to 40°C
Protection class	IP54
Protection class EX	**II 2G EEx ib IIC T1** suitable for Ex Zone Ex 1

For more technical data see item number G00.135

Devices

GPD 3000, 180mm swan neck

1 ppm - 2,5 Vol.% CH4

Item number: G00.205

The GPD 3000 gas detector is suitable for detecting and locating gas leaks in both indoor and outdoor pipelines.

Depending on the measuring tasks, different gas types are correctly displayed with the GPD 3000.

The GPD 3000 offers you the possibility to adjust your display to different gas types.

The digital display allows the accurate recognition of the measured value and the bar display a simple assessment of the trend.

With:

- Suitcase
- Battery
- Operating instruction
- Certificate
- 2 years warranty
- Voucher for free annual service

Technical data:

Display	LCD, backlit
Alarm	acoustical, optical
Measuring range	1 ppm - 50% UEG
Gases	Methane, Propan, Hydrogen
Calibration	Methane
Operating Temperature	0°C to 40°C
Protection class	IP54
Protection class	2 Battery
Operating Time	batteries >6 hours rechargeable batteries >8 hours
Weight	140g (without Battery)
Dimensions	25 x 45 x 140mm
swan neck	180mm

Devices

SCHÜTZ MESSTECHNIK

GPD 3000 Ex, 180mm swan neck
1 ppm - 2,5 Vol.% CH4

Item number: G00.235

For the reliable detection of leaks in installation lines and pipe joints, Schütz offers the new GPD 3000 Ex, a pioneering device technology.

To make leak detection and location even safer and more reliable, the GPD 3000 Ex is equipped with a dual display: the digital display provides an accurate reading, while the analog bar graph additionally shows the change in gas concentration.

The GPD 3000 Ex is able to detect all flammable gases. For this purpose, the device can be set to test for methane, propane or hydrogen.

With explosion protection approval.

With:

- Suitcase
- Battery
- instruction manual
- Certificate
- 2 years warranty
- Voucher for free annual service

Technical data:

Display	LCD, backlit
Alarm	acoustical, optical
Measuring range	1 ppm - 50% UEG
Gases	Methane, Propan, Hydrogen
Calibration	Methane
Operating Temperature	0°C to 40°C
Protection class	IP54
EX protection	**II 2G EEx ib IIC T1** suitable for Ex Zone Ex 1
Protection class	2 Battery o Akkus AA
Operating Time	Battery >6 hours rechargeable batteries >8 hours
Weight	140g (without battery)
Dimensions	25 x 45 x 140mm
swan neck	180mm

Devices

GPD 3000 with telescopic probe
with telescopic probe to 1,7m

Item number: G00.147

To optimize the use and higher range.

GPD 3000 With:
Telescopic swan-neck, 1,7m with integrated sensor.

Technical data:

Weight	197g
Dimensions	135 x 45 x 25mm
Telescopeprobe	1,7m

For more technical data see item number G00.205

GPD 3000 Ex with telescopic probe
with telescopic probe to 1,7m

Item number: G00.146

To optimize the use and higher range.

GPD 3000 Ex With:
Telescopic swan-neck, 1,7m with integrated sensor.

Technical data:

EX protection	II 2G EEx ib IIC T1 suitable for Ex Zone Ex 1
Weight	197g
Dimensions	135 x 45 x 25mm
Telescopeprobe	1,7m

For more technical data see item number G00.235

Devices

SCHÜTZ MESSTECHNIK

GP 2000 swan neck 180mm, Methane T1
10ppm – 50% UEG CH$_4$

Item number: G00.430

The GP 2000 gas detector is suitable for detecting and locating gas leaks in pipes, both indoors and outdoors.

The GP 2000 can also measure other gas types and be calibrated for them. The GP 2000's ease of use prevents measurement errors and reduces the need for training.

Ausstattungsmerkmale
- Swan neck with integrated sensor
- The device is explosion-proof and can be used in hazardous areas.
- Indication of increasing gas concentration via LED and signal with concentration rising
- Closed front foil
- Powder coated Aluminum Casing

Extremely robust due to sturdy metal Casing.

Sensor: Semiconductor (10ppm - 2,2 Vol.% CH$_4$)

Scope of delivery:
- Gas detector GP 2000
- Suitcase
- Charger 230V (110V – 240V)
- Operating instructions
- Certificate

Technical data:

Display	11x LED
Alarm	acoustical, optical
Measuring range	10 ppm - 50% UEG CH4
Calibration	Methane
Gasgruppe	IIA, IIB, IIC
Operating Temperature	-20°C to 40°C
Protection class	IP54
EX protection	**II 2G EEx ib IIC T1** suitable for Ex Zone Ex 1, 2
Protection class	batteries with internal charge
Operating Time	more than 5 hours
Weight	200g
Dimensions	160 x 35 x 20mm
Swan neck	180mm
Casing	Aluminum, powder coated

Devices

GP 2000 180mm swan neck, Methane T3

10ppm – 50% UEG CH$_4$

Item number: G00.450

Sensor:	Semiconductor (10ppm - 2,2 Vol.% CH$_4$)

Technical data:

Measuring range	0 ppm - 50% UEG CH4
Calibration	Methane
Gasgruppe	IIA, IIB, IIC
Operating Temperature	-20°C to 40°C
Protection class	IP54
EX protection	II 2G EEx ib IIC T3 suitable for Ex Zone Ex 1, 2

For more technical data see item number G00.430

GP 2000 180mm swan neck, Propan T1

10ppm – 50% UEG C$_3$H$_8$

Item number.: G00.435

Sensor:	Semiconductor (10ppm- 1,0 Vol.% C$_3$H$_8$)

Technical data:

Measuring range	10 ppm - 50% UEG C3H8
Calibration	Propan
Gasgruppe	IIA, IIB, IIC
Operating Temperature	-20°C to 40°C
Protection class	IP54
EX protection	II 2G EEx ib IIC T1 suitable for Ex Zone Ex 1, 2

For more technical data see item number G00.430

Devices

GP 2000 180mm swan neck, Propan T3

10ppm – 50% UEG C$_3$H$_8$

Item number: G00.455

Sensor:	Semiconductor (10ppm- 1,0 Vol.%C$_3$H$_8$)

Technical data:

Measuring range	10 ppm - 50% UEG C3H8
Calibration	Propan
Gasgruppe	IIA, IIB, IIC
Operating Temperature	-20°C to 40°C
Protection class	IP54
EX protection	**II 2G EEx ib IIC T3** suitable for Ex Zone Ex 1, 2

For more technical data see item number G00.430

GP 2000 180mm swan neck, Hydrogen T3

10ppm – 50% UEG H2

Item number: G00.460

Sensor:	Semiconductor (10ppm - 2,0 Vol% H$_2$)

Technical data:

Measuring range	10 ppm - 50% UEG H2
Calibration	Hydrogen
Gasgruppe	IIA, IIB, IIC
Operating Temperature	-20°C to 40°C
Protection class	IP54
EX protection	**II 2G EEx ib IIC T3** suitable for Ex Zone Ex 1, 2

For more technical data see Item number G00.430

Devices

GP 2000 180mm swan neck, Ethylen T3

10ppm – 50% UEG C$_2$H$_4$

Item number: G00.465

Sensor:	Semiconductor (10ppm - 1,3 Vol.% C$_2$H$_4$)

Technical data:

Measuring range	10 ppm - 50.% UEG C2H4
Calibration	Ethylen
Gasgruppe	IIA, IIB, IIC
Operating Temperature	-20°C to 40°C
Protection class	IP54
EX protection	**II 2G EEx ib IIC T3** suitable for Ex Zone Ex 1, 2

For more technical data see item number G00.430

Devices

P-Pen 1000, Pressure measurement instrument

P-Pen without EX protection

Item number: G00.850

The P-Pen 1000 from Schütz is the compact measuring device for the exact determination of operating pressures up to 1 bar. The device is small, compact and has a robust design.

With the P-Pen 1000 you can perform pressure measurements and differential measurements in the mbar range.

Due to the simple operation of the P-Pen, everyone is able to perform a reliable pressure measurement.

With:

- Suitcase
- Battery
- 1m Hose
- instruction manual
- Certificate
- 2 years warranty

Technical data:

Display	LCD backlit
Ready tone	acoustic
max overpressure	3000mbar
Measuring range	-1000mbar - 1000mbar
Resolution	0-99mbar 0,1mbar
	100-999mbar 1mbar
Accuracy	+ - 2%
Operating temperature	0°C to 40°C
Protection class	IP54
Protection class	2 batteries AA
Operating Time	25 hours
Weight	120g
Dimensions	170 x 45 x 25mm

Devices

SCHÜTZ MESSTECHNIK

P-Pen 1000 Ex, Pressure measurement instrument

P-Pen with EX protection

Item number: G00.800

According to the applicable technical regulations, the operating pressures of gas pipelines must be checked at regular intervals and during commissioning and after maintenance work.

With the P-Pen, Schütz offers a measuring tool that can easily and reliably determine all gas pressures up to 1 bar. Suitable for pressure measurements on all gas fittings.

With this simple and lightweight pressure measurement instrument is a quick pressure control even in hazardous areas possible.

With:

- Suitcase
- Battery
- 1m hose
- instruction manual
- Certificate
- 2 years warranty

Technical data:

Display	LCD backlit
Ready tone	acoustic
Max. overpressure	3000mbar
Measuring range	-1000mbar - 1000mbar
Resolution	0-99mbar 0,1mbar
	100-999mbar 1mbar
Accuracy	+- 2%
Operating Temperature	0°C to 40°C
Protection class	IP54
EX protection	EX II 2G EEx ib IIC T3
	suitable for Ex Zone Ex 1 y 2
Protection class	2 battery mignon
Operating Time	25 hours
Weight	120g
Dimensions	170 x 45 x 25mm

Devices

P-Pen 5000, Pressure measurement instrument
P-Pen without EX protection

Item number: G00.860

With the P-Pen 5000 you can carry out pressure measurements in the mbar range.

Technical data:

Display	LCD backlit	
Ready tone	acoustic	
max overpressure	6,5bar	
Measuring range	5bar	
	0-99mbar	0,1mbar
	100-999mbar	1mbar
Accuracy	+- 2%	
Operating Temperature	0°C to 40°C	
Protection class	IP54	

For more technical data see item number G00.850

P-Pen 5000 Ex, Pressure measurement instrument
P-Pen without EX protection

Item number: G00.810

Device version with EX protection.

Technical data:

Display	LCD backlit	
Ready tone	acoustic	
max overpressure	6,5bar	
Measuring range	5bar	
	0-99mbar	0,1mbar
	100-999mbar	1mbar
Accuracy	+- 2%	
Operating Temperature	0°C to 40°C	
Protection class	IP54	
EX protection	EX II 2G EEx ib IIC T3 suitable for Ex Zone Ex 1 y 2	

For more technical data see item number G00.850

Probes

Carpet probe, steel pipe
black, wheel= 180mm

Item number: G10.166

Easy to guide, mobile carpet probe with surface filter, hose filter, hose and plug coupling. Used for checking pipe routes or for recording gas traces during gas pipe network checks, using the suction method.

The wide edge of the flexible carpet probe conforms well to irregularities in the road surface and largely prevents the ingress of interfering gases (e.g. exhaust gases) during the inspection process.

Technical data:

Material	steel pipe
Color	black powder coated
Weight	1,75kg
Wheel diameter	180mm

Accessories:

Wheel diameter	100mm

Carpet probe, foldable, steel pipe
foldable, black, wheel= 180mm

Item number: G10.165

Foldable carpet probe with surface filter, bag filter, hose, plug-in coupling and unscrewable handle.

Technical data:

Material	steel pipe
Color	black powder coated
Weight	1,75kg
Wheel diameter	180mm

Accessories:

Wheel diameter	100mm

Probe

Carpet probe, CFK pipe
black, wheel= 180mm

Item number: G10.164

Weight-optimized carpet probe with carbon fiber rod and integrated filter technology.

Extremely lightweight yet very stainless steel.

Technical data:

Material	carbon fabric
Color	black
Weight	0,95kg
Wheel diameter	180mm

Accessories:

Wheel diameter	100mm
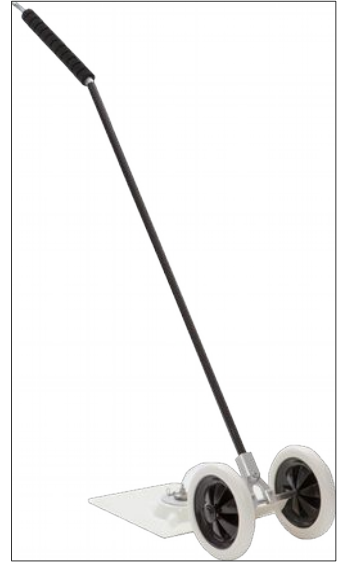
Carpet probe, foldable CFK pipe
foldable, black, wheel= 180mm

Item number: G10.163

Foldable carpet probe with carbon fiber rod and integrated filter technology.

The probe can be folded for storage and transport.

Technical data:

Material	carbon fabric
Color	black
Weight	0,95kg
Wheel diameter	180mm

Accessories:

Wheel diameter	100mm

SCHÜTZ MESSTECHNIK

carpet probe, unicycle, steel pipe
black, wheel= 180mm

Item number: G10.171

Especially at the edge of the road, can be worked with this probe can be worked particularly well.

The very easy to guide and easy to drive one wheel carpet probe, is particularly suitable for use in urban areas.

Technical data:

Material	steel pipe
Color	black, powder coated
Weight	1,75kg
Wheel diameter	180mm

Accessories:

Wheel diameter	100mm

carpet probe, unicycle, foldable steel pipe
foldable, black, wheel= 180mm

Item number: G10.174

Especially at the road side in the walkway area can with this probe to be worked very well.

The very easy to run and easy to drive unicycle carpet probe is especially suitable for use in urban areas.

Technical data:

Material	steel pipe
Color	black
Weight	1,75kg
Wheel diameter	180mm

Accessories:

Wheel diameter	100mm

Probes

carpet probe, unicycle, CFK pipe
black, wheel= 180mm

Item number: G10.172

Weight-saving carpet Probe with carbon-fibre linkage and integrated filter technology. Extremely light and yet stainless steel for fatigue-free work.

Especially at the road side in the walkway area can with this probe to be worked very well.

The very easy to run and easy to drive unicycle carpet probe is especially suitable for use in urban areas.

Technical data:

Material	carbon fabric
Color	black
Weight	1,75kg
Wheel diameter	180mm

Accessories:

Wheel diameter	100mm

---

carpet probe, unicycle, rod foldable
CFK pipe foldable, black, wheel= 180mm

Item number: G10.173

The folding rod saves space for storage or transport of the probe.

Technical data:

Material	carbon fabric
Color	black
Weight	1,75kg
Wheel diameter	180mm

Accessories:

Wheel diameter	100mm

Probes

Bell sample CFK V2
bell probe with carbon fabric linkage

Item number: G10.131

Extremely light and yet very stainless steel for fatigue-free work.

The bell probe has a dust filter and water stop filter integrated in the lower part and is used for unpaved upper fans. If the carpet probe can no longer be used, the bell probe is used for above-ground control or for concentration measurement in the ppm range.

Technical data:

Pipe	carbon fabric
Color	black
Weight	0,3kg
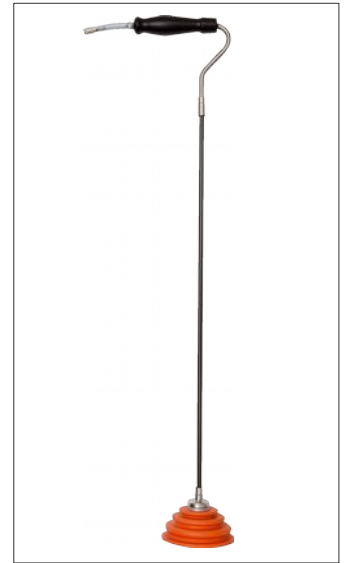
Bell probe foldable CFK
bell probe foldable with carbon fabric linkage

Item number: G10.134

Weights optimized bell probe with detachable carbon fiber boom and integrated filter technology.

Bell probe with carbon fiber linkage, demountable.

Technical data:

Pipe	carbon fabric
Color	black
Weight	0,3kg
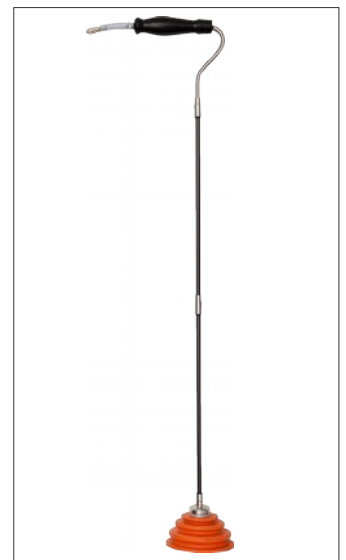
Probes

Bell probe mini CFK
bell probe mini with carbon fabric linkage

Item number: G10.135

Often both sensors are carried along, the bell sensor CFK mini is ideally suited for this purpose.

Specially designed for carrying the bell probe during pipetting with the carpet probe. The bell probe mini is clicked into the rod of the carpet probe.

Bell probe mini with carbon fiber linkage.

Technical data:

Pipe	carbon fabric
Color	black
Weight	0,3kg

Bell probe complete
bell probe with steel pipe

Item number: G10.138

A bell probe with steel frame and integrated filter technology. Very stainless steel, proven over many years. The probe has a dust filter and water stop filter integrated in the lower part and is used on unpaved surfaces.

If the carpet probe cannot be used on the surface, the bell probe is used for above-ground control or for concentration measurement in the ppm range.

Technical data:

Pipe	steel
Color	black, powder coated
Weight	0,8kg

Probes

SCHÜTZ MESSTECHNIK

bell probe with telescope linkage
with 20er coupling

Item number: G10.139

bell probe with dismountable telescope steel linkage and integrated filter technology.

The probe has a dust filter and water stop filter integrated in the lower part and is used on unpaved surfaces.

Technical data:

Pipe	steel
Color	black, powder coated
Weight	0,8 kg

SCHÜTZ MESSTECHNIK
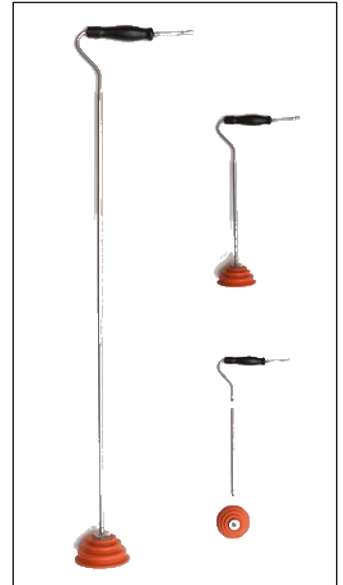
Borehole probe, CFK pipe
Borehole probe with carbon fabric linkage

Item number: G10.141

Weights-optimized borehole probe with carbon fiber rods and integrated filter technology. Extremely light and yet very stainless steel for fatigue-free work.

Technical data:

Pipe	carbon fabric
Color	black
Tip length	300mm, effective 260mm
Tip diameter	8mm
Max drilling diameter	30mm
Emp drilling diameter	20mm
Weight	0,46kg

Borehole probe, screwable CFK pipe
Borehole probe screwable with carbon fabric linkage

Item number: G10.144

Borehole probe with screwable carbon fiber rod and integrated filter technology.

Technical data:

Pipe	carbon fabric
Color	black
Tip length	300mm, effective 260mm
Tip diameter	8mm
Max drilling diameter	30mm
Emp drilling diameter	20mm
Weight	0,46kg

Borehole probe, steel pipe
Borehole probe with steel pipe

Item number: G10.151

Borehole probe with sight glass and dust filter for concentration measurement in boreholes.

The borehole is sealed by the flexible cone and no foreign air is sucked in with max 30cm depth of the borehole, work can be carried out without any problems.

Technical data:

Material	steel pipe
Color	black powder coated
Tip length	300mm, effective 260mm
Tip diameter	8mm
Max drilling diameter	30mm
Emp drilling diameter	20mm
Weight	0,6kg
Connection	with 20er coupling

Telescope Borehole probe steel pipe
Telescope Borehole probe

Item number: G10.146

For locating leaks under difficult conditions. The measuring tip comes closer to the leak or the pipe and can therefore show better results.

Technical data:

Material	steel pipe
Color	black powder coated
Tip diameter	8mm
Usable length in borehole min.	31cm
Usable length in borehole max.	60cm
Weight	0,6kg
Connection	with 20er coupling

(other lengths on request!)

SCHÜTZ MESSTECHNIK

Trench probe with water separator 300mm
Spitze ca. 300mm

Item number: 000.025

Carrying out concentration measurements in open excavations for searching for the gas pipeline and determining the direction for further earthworks. During such measurements, it is essential to prevent water from entering the measuring device, which is why a water separator was installed.

Special probe for the detection of leaks in excavations.

Technical data:

Material	Messing
Connection	coupling type 20
Hose	2m PVC hose
Length complete	0,5m
Length tip	0,3m
Weight	120g

Trench probe with water separator 1000mm
Spitze ca. 1000mm

Item number: 000.026

Conducting concentration measurements horizontally in open excavations.

For the search of the gas pipeline and the determination of the direction for further earthworks.

Technical data:

Material	Messing
Connection	coupling type 20
Hose	2m PVC hose
Length complete	1,2m
Length tip	1m
Weight	150g

proben

![SCHÜTZ MESSTECHNIK]

telescope hand probe, carrying strap, 100

Item number: G10.152

For measuring gas concentration in shafts or under the ceiling. Extremely light and robust.

With special, protected quick-change option for the trousers, only available from Schütz Messtechnik.

Technical data:

Material	stainless steel
Connection	coupling type 20
Hose	1,5m antistatic hose (orange)
Length	20cm telescoped 139,5cm pulled apart
Weight	150g

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telescope space probe, carrying strap, 100
with antistatic hose

Item number: G10.150

with flexible tip for better localization of leaks.

Technical data:

Material	stainless steel
Connection	coupling type 20
Hose	1,5m antistatic Hose (orange)
Length	41cm telescoped 160,5cm pulled apart
Weight	200g

Probes

Telescope hand probe, carrying strap, gasproof

Item number: G10.154

Gas-tight probe with sintered tip for all tracers.

Advantage: higher quality handling and high tightness. The trouser is not inserted into the probe when extending the telescopic probe (extending the range).

Technical data:

Material	stainless steel
Couplings connection	type20
Hose length	1,5 m antistatic hose
Lenght	35cm folded
	135cm extends
Weight	150g

Telescope hand probe, carrying strap
with movable gooseneck and sintered tip

Item number: G10.155

Gas-tight probe with sintered tip for all tracers.

Technical data:

Material	stainless steel
Couplings connection	type 20
Hose length	1,5 m antistatic hose
Length	53 cm folded
	155 cm extended
Weight	150g

Probes

Aerial probe, rigide
aus carbon fabric

Item number: G10.170

For gas concentration measurements in ducts or under roofs.
Ultra-light and strong carbon-fibre construction.

Technical data:

Material	carbon fabric
Connection	coupling type 20
Hose	1m, antistatic Hose
Length	900mm
Weight	150 g

Suitcase Complete with sample set
Sample set in suitcase

Item number: G10.180

With all required probes in a practical complete set.

Space-saving and safe storage possible in the vehicle. A suitable recess is available for all devices. Without gas detector, without charger.

Complete set with:
- carpet probe foldable CFK, 180mm wheel
- borehole probe CFK
- bell probe funnel for mounting
- telescope space probe, carrying strap
- device filter
- Suitcase
- weight: 3,2 kg
- dimensions: 50 x 42 x 17cm

- **without charger**
- **without gas detector**

Probes

Industry probe
Length 2,1 to 7,5m

Item number: G10.300

The accessibility of pipes for leakage control in industrial plants is often a major problem. No longer with this probe!

Technical data:

Length min.	2,1m
Length max.	7,5m
Bogen Length	300mm
Bogen Diameter	150mm

Industry probe gasproof
Length von 1 to 5m

Item number: G10.310

When checking pipes for leaks in industrial areas, accessibility is often a big problem. No longer with this probe!

Technical data:

Length min.	1m
Length max.	5m
Bogen Length	300mm
Bogen Diameter	150mm

Tools

Impact mandrel, d=10mm

Total length 1000mm

Item number: 000.055

Percussion mandrel for deep drilling of existing holes or for drilling holes in unpaved surfaces (lawn,...).

This percussion mandrel is especially intended for use in pipe trenches.

With TÜV test certificates on dielectric strength.

Technical data:

Material	steel
Korpus Length	ca. 330mm
Peak usable Length	ca. 700mm
Tip surface	hardened
Depth marker	impact depth 30 cm 1st marker
	impact depth 50 cm 2nd marker
Weight	2,8kg

Impact mandrel, d=14mm

Total length 1600mm

Item number: 000.056

The striking mandrel has a depth marker to identify the depth at any time.

With TÜV test certificates on dielectric strength.

Technical data:

Material	steel
Korpus Length	ca. 650mm
Peak usable Length	ca. 950mm
Tip surface	hardened
Depth marker	impact depth 30 cm 1st marker
	impact depth 50 cm 2nd marker
Weight	7,6kg

Tools

Cap lifter SKH 2000
Total length 1000mm

Item number: G61.300

The new cap lifter SKH 2000 with its simple handling and ergonomic shape is a reliable, easy-to-use helper for all industries where road caps and hydrants have to be opened regularly.

Unlike other cap lifters that require considerable pulling force, the proprietary SKH 2000 is pushed down and the Casing slides up smoothly when released.

Due to the maximum kinetic energy generated by a spring with a spring force of 40kg inside the stainless steelCasings, the road cap releases effortlessly from your support.

A very big advantage of the SKH 2000 is that the optimum working height of 110 cm ensures almost fatigue-free work, as bending down is not necessary as with other devices.

The other advantages of the SKH 2000 cap lifter: a vehicle holder (also made of stainless steel, of course), the foam-padded handle and the cleaning mandrel, also made of stainless steel, for cleaning dirty caps or cap eyelets without any other tools.

With the unique long-term warranty of 5 years on all components, you can see how convinced we are of our cap lifter SKH 2000.

Ideal for:
- Fire departments
- Network operator
- Construction companies

suitable for:
- Hydrants
- Slider caps
- Road caps

Features:
- practical handling
- stainless steel
- 5 years warranty
- weight: 5,9kg
- stainless steel with cleaning mandrel
- with cleaning mandrel
- car mount, instruction manual
- extremely easy operation

Tools

SCHÜTZ MESSTECHNIK

Ring key, SW 65mm
Ring key, 65mm

Item number: G05.065

Special wrench for easy disassembly and assembly of the meter cap screw connection.

With rubberized handle for better handling.

Technical data:

Material	steel
Handle	rubberized
Width across flats	65mm
Total length	350mm
Weight	900 g

Ring key, SW 90mm
Ring key, 90mm

Item number: G05.067

Special wrench for easy disassembly and assembly of the meter cap screw connection.

With rubberized handle for better handling.

Technical data:

Material	steel
Handle	rubberized
Width across flats	90mm
Total length	400mm
Weight	1000 g

Test engineering

![SCHÜTZ MESSTECHNIK logo]

PS 103 Test station
Test station 1 Gase

Item number: G10.540

Test station for testing gas detectors according to G465.

All gases can be connected in 1 liter aluminum pressurized gas cans. It is always displayed the remaining pressure of the bottle.

The control of the display accuracy:
1 Vol.% - 2,2 Vol.% -100 Vol% - 5 Vol.% CO2

Including:
- Connection hoses
- Float flow indicator
- Needle valve for setting flow rate
- Pressure gauge

Without probe test plate.

---

carpet sample test plate for PSX03
Complete set with hose and coupling

Item number: 202.558

Minimal sensitivity control during the inspection of the pipeline network according to DVGW G465. For daily system check before inspection of the pipenet.

Only for use with a Test station PS with flow setting and conditioner.

Including:
- Carpet probe test plate
- Connection hose
- Quick coupling

Technical data:

Material	Aluminum, powder coated
Dimensions	38 x 28 x 2cm
Weight	0,8kg

Test engineering

PS 203 Test station
for maximal 2 Gas cylinders

Item number: 202.780

All gases can be connected in 1 liter aluminum pressurized gas cans. It is always displayed the remaining pressure of the bottle.

If larger gas quantities are required, an adapter can be used to connect a pressurized gas cylinder to the inlet pressure reducer. With flow measurement.

suitable for maximal 2 x 1 liter alucan bottles
Test gases: 10ppm, 1 Vol.%, 2,2 Vol.%, 100 Vol.% or CO2

Including:
- Connection hoses
- Float flow indicator
- Needle valve for setting flow rate
- Pressure gauge
- without sample test plate

PS 203 Test station
for maximal 2 Gas cylinders

Item number: 202.887

The testing of the devices is a recurring activity, for which the gas mixture must be fed at a certain flow rate.

This station can be used for example in the above ground application for the 10ppm test. Also for weekly or daily control with test gas 1 Vol.% CH4 or 2,2 Vol.% CH4 (50%UEG).

suitable for maximal 2 x 1 liter alucan bottles

Including:
- Connection hoses
- Float flow indicator
- Needle valve for setting flow rate
- Pressure gauge
- Sample test plate

PS 203 F Test station
for maximal 2 Gas cylinders with Conditioner

Item number: 204.936

With the PS203 F, tests of semiconductor measuring systems can be carried out under control of the test gas humidity. The test gas in the system is fed to a humidity level, whereby humidification takes place.

This humidification is controlled via a bypass, whereby both gas paths are mixed with each other again. The resulting humidification value of the gas is displayed via the moisture meter.

suitable for maximal 2 x 1 liter alucan bottles

Including:
- Connection hoses,
- Float flow indicator
- Conditioner
- Moisture meter
- Needle valve for setting flow rate
- Pressure gauge
- without sample test plate

PS 203 F Test station
for maximal 2 Gas cylinders with Conditioner

Item number: 206.682

With the test station PS203 F and the sample test plate sensitivity control can be carried out according to DVGW G465. For daily system check before checking the pipenet.

Suitable for maximal 2 x 1 liter alucan bottles.

With humidifier and device for moisture meter.

Including:
- Connection hoses
- Float flow indicator
- Conditioner
- Moisture meter
- Needle valve for setting flow rate
- Pressure gauge
- sample test plate with connecting hose

Test engineering

SCHÜTZ MESSTECHNIK

PS 403 Test station
for maximal 4 Gas cylinders

Item number: 202.779

The testing of the devices is a recurring activity, for this the gas mixture with a certain flow rate must be given to the gas detector or gas measuring device.

In addition to the Test station PS403 you will need:
- one carpet sample test plate
- Pressure regulator for Test gasconnection and einen Connection adapter
- Test gasflasche (Test gasdose) 10ppm Methane (CH4) in synthetic air
- Further gases according to the requirements

Suitable for maximal 4 x 1 liter alucan bottles

Including:
- Connection hoses
- Float flow indicator
- Needle valve for setting flow rate
- Pressure gauge
- Without sample test plate

PS 403 Test station
for maximal 4 Gas cylinders

Item number: 201.862

With the test station PS 403 and the sample test plate, sensitivity checks can be carried out in accordance with DVGW G465. For daily system check before checking the pipenet.

suitable for maximal 4 x 1 liter alucan bottles

Test gases: 10ppm, 1 Vol.%, 2,2 Vol.%, 100 Vol.% CO_2

Including:
- Connection hoses
- Float flow indicator
- Needle valve for setting flow rate
- Pressure gauge
- Sample test plate with connecting hose

Test engineering

SCHÜTZ MESSTECHNIK

PS 403-U Test station
for maximal 4 Gas cylinders

Item number: 204.308

Test station PS 403 with flow measurement, vacuum measurement.

suitable for a maximum of 4 1-liter aluminum bottles. A pressure gauge is replaced by the vacuum pressure gauge. A separate outlet or valve is not provided for 10 ppm.

Test gases: 4 pieces (3 inlet pressure gauge)

suitable for maximal 4 x 1 liter alucan bottles

Including:
- Connection hoses
- Float flow indicator
- Needle valve for setting flow rate
- 3 Inlet pressure gauge
- 1 Vakuum pressure gauge

PS 403-US Test station
for maximal 4 Gas cylinders

Item number: 204.450

This version of the PS 403-U differs by the toggle switches. This facilitates the application and change of the measuring gas.

Including:
- Connection hoses
- Float flow indicator
- Needle valve for setting flow rate
- 3 Inlet pressure gauge
- 1 Vakuum pressure gauge

Test engineering

SCHÜTZ MESSTECHNIK

PS 403 FU Test station
for maximal 4 Gas cylinders with Conditioner

Item number: G10.500

Test station for flow measurement, humidity adjustment and vacuum measurement.

A normal pressure gauge is replaced by a vacuum gauge. A separate outlet or valve is not provided for 10 ppm.

suitable for maximal 4 x 1 liter alucan bottles

Including:
- Connection hoses
- Float flow indicator
- Moisture meter
- Needle valve for setting flow rate
- 3 Inlet pressure gauge
- 1 Vakuum pressure gauge

Test engineering

SCHÜTZ MESSTECHNIK

Prüf- and Teststation TS 3008
for maximal 8 Gas cylinders

Item number: G01.800

The "TS 3000" test station is a modular test station for 8 test gases. The station can be used to test and adjust both pump and diffusion devices. Software, carpet sample test plate and calibration filter included.

It is also possible to measure the flow and vacuum of a device. For pump devices, an automatic mode can be selected, where the required flow is automatically set and regulated correctly.

The station is connected to a PC via a serial interface. This allows automatic procedures and documentation to be created. The GM 5 or GM 3100 can be tested and adjusted fully automatically.

Teststation for 8 Gases, consisting of:

- Teststation TS 3008
- Gas module with electronic flow control
- Direct display of the values in the illuminated, multi-line LCD display
- With the PC controllable and suitable for automatic testing of all device types
- Checking the measuring device suction power and negative pressure measurement
- Software, carpet sample test plate and calibration filter included
- Without pressure reducer for the test gases

Technical data:

Network connection	230VAC, 50Hz
Power consumption	max. 40W
LCD-Display	9 x 22 characters with lighting
Protection class	IP 54
Number of test gases	8 gas channels
Gasconnection	max. form 1,5bar (150kPa)
Input channel	Ambient air / outside air
Output channel	Indulgence for devices with pump and devices auf diffusionsbasis
Flow test	0 – 5 l/min
Negative pressure test	0 – 1000 mbar
Humidity control	10 – 70% rF, ± 5% rF
Operating Temperature	0ºC - 50ºC
Humidity	30% - 70% rF
Dimensions	448 x 146,5 x 273 (B/H/T)
Weight	ca 6,5kg

External products

SCHÜTZ MESSTECHNIK

GA 52 Cx cap locator
Patentierte Heliflux-Sensors

Item number: 041.001

The "GA 52 Cx" magnetic detector senses magnetic fields. It can detect objects that have their own magnetic field, objects hidden by soil, road surfaces, snow and water.

By adjusting the sensitivity, a localization of approx. 5 cm can be achieved. The characteristic signal pattern, which differs in the tone frequency and intensity of the signal, can be easily and reliably interpreted after a short training period. One of the advantages of the device is its easy and uncomplicated handling.

GA-52 Cx brief description:

- No interfering signals from other metals (aluminum, copper, etc.)
- Increased sensor sensitivity
- Pinpoint determination of the objects
- The sound signal indicates early the approach to the object to be determined
- After a short training period, the operator can clearly distinguish between different objects
- Two 9 volt batteries last up to 40 hours of operation
- Protected loudspeaker
- Handy, robust device design
- Patented heliflux sensors
- Incl. robust, lightweight transportsuitcase

Technical data:

Sensors	Heliflux, patented
Operating temperature	-25° to +60°C
Tiefenwirkung	to max. 1,5m
Protection class	2x 9V alkaline battery
Operating Time	40 hours
Waterproof length	87,6cm
Length	107,4cm
Weight	ca 1,2kg

External products

SCHÜTZ MESSTECHNIK

GA 72CD cap locator
Patentierte Heliflux-Sensors

Item number: 041.011

The "GA 72CD" magnetic detector senses magnetic fields. It can detect objects that have their own magnetic field, objects hidden by soil, road surfaces, snow and water (e.g. hydrants, magnetic markings, manhole covers, gate valves, water meters, survey marks and pipes, etc.).

By adjusting the sensitivity, a localization of approx. 5 cm can be achieved. The characteristic signal pattern, which differs in the audio frequency and intensity of the signal, can be easily and reliably interpreted after a short training period.

GA-72CD Brief description:
- patented heliflux sensors
- No interfering signals from other metals (aluminum, copper, etc.)
- Increased sensor sensitivity
- pinpoint determination of the objects
- Analog output for input to the data collector
- protected loudspeaker
- Handliches, robustes device design
- Delivery includes: robust, lightweight transport case

Ausstattungsmerkmale:
- Tonsignal and LCD-display
- Einstellbare acoustic-signal
- Headphone jack
- Polarity display
- Battery monitoring

Technical data:

Sensors	Heliflux, patented
Operating temperature	- 25° to +60°C
Tiefenwirkung	max. 2,5m
Protection class	2x 9V Alkali Battery
Operating Time	60 hours
Wasserdichte length	53cm
Length	88cm
Weight	ca. 1,15kg

External products

Laser Methane mini
Methane leak detection

Item number: G62.100

The Laser mini is very suitable for pre-probing, beprobers in difficult to access areas, this device is a complement to the known leak detection.

The range of 100m makes the Laser Mini ideal for poorly accessible areas.

The Laser mini is very suitable for the pre-probing, beprobers to complement the annual optical inspection of industrial pipeline networks, the Laser mini quickly increases the usefulness of the inspection and greatly reduces the time required.

The range of up to 100m makes the Laser mini ideal for poorly accessible areas or ceiling mounted lines.

Portable, handheld laser leak detector for methane.

ATEX Approval
Device	Ex IIG Ex ib op-prop-is IIA T1
Battery	Ex IIG EX ib IIA T1

Technical data:
Weight	600g
Protection class	rechargeable batteries
Operating time	>5 hours
Sensitivity	1ppm*m
Max. Distance	100m
Sample gas	Methane

Scope of delivery::	Laser Mini, carrying strap, Suitcase, Rubber protective cover, battery NiMh charger 230V, certificate, instruction manual

Attention! Device is supplied with one battery.

Excellent suitable for leak detection at large plants such as industrial or biogas plants.

Due to the large measuring distance, ladders, risers or lifting platforms can be dispensed with.

External products

Gas-Pro 5-Gas detector
Personal protection device for 5 Gases

Item number: G66.000

The Gas-Pro gas detector can be equipped with sensors for up to five gases (ATEX approval).

With the possibility to equip the gaswarn device individually with different sensors, the Gas-Pro gas detector is ideal for use in sewers, wastewater treatment plants, sewers, landfills, ships, chemical and oil processing industries. Even with gloves, the device is easy to operate.

Monitor personal Gas-Pro
- Simple operation via only 1 button
- Optical, acoustic & vibration pre-alarm & main alarm
- Backlit display, two-tone green-red
- Alarm shows all values simultaneously
- Peak and time-weighted withtel values (TWA)
- Integrated data logger and event logger
- Rubberized, shock, impact & vibration resistant casing
- Incl. pocket belt carrying clip
- Continuous operation with pump more than 19h,(17 mit pump)
- Li-Ion batteries. USB port for connection to a PC
- Splash-proof according to IP 65.and IP 67

Equipped with Sensors for:

1) flammable Gases 0 - 100% UEG, CH4
2) Oxygen, 5 - 25% Volumen O2
3) Hydrogen sulfide, 0 - 100 ppm, H2S
4) Carbon monoxide, 0 - 500 ppm CO
5) Carbon dioxide, 0- 5 Vol.%, CO2 (Infrared sensor)

Approval:
ATEX - II2G Ex ia d IIC T4 Gb
IECEx - Ex ia d II C T4

Standards:
EN 60079-29, EN 45544, EN 50104
EN 502770, EN50271, EN61779
CFKC and CE, according EMC direktive 2004108EC

Including:
Adapter plate for hoseconnection, operating instructions, certificate.

Technical data: see data sheet.

Different variants for various types of gas available.

External products

SCHÜTZ MESSTECHNIK

Gasman

Personal protection device for 1 Gase

Item number: MO01000 (for Methane)

The Gasman is designed for personal monitoring in tough industrial environments. It is small, lightweight and easy to use. The device contains interchangeable, intelligent i-module sensors and is easily operated with just one button.

Gasman is the most flexible and easy to use gas detection device on the market today.

Rugged in design, Gasman meets both IP65 and IP67 protection classes and sets new standards for personal gas monitors.

Features:
- Alarm for flammable Gases
- Display of current and maximum values
- 900 Lagerhours at intervals of 1 minute
- Comprehensive memory for 5000 events (On, Off, Gas, ...)

Approvalen
for Ox and Tox-Execution
ATEX II 1G, EEx ia IIC, T4

for flammable Gases:
ATEX II 2G, EEx iad IIC, T4
EN 61779, EN 50014, EN 50018, 949EC
EN 50020, EN 50270, EN 50271

Software corresponds to: IEC 61508
USA and Canada : UL913, CSA22.2, 152

Including:
- Suitcase
- Li-Ion Akku
- Taschenclip
- instruction manual
- Certifikate
- No charger (order separately)

Technical data:

Display	LCD with backlit
Measuring range	0 - 100% UEG
Alarm	2 alarm level for pre-alarm & main alarm
Calibration	Methane,Propan, Hydrogen Pentan, Ethylen, Butan
Operating Temperature	-20 to +55 °C
Protection class	IP65, IP67
Energieversorgung	acumulador Li-Ion
Operating Time	for min. 12 hours continuous operation
Weight	90 to 130g
Dimensions	90 x 48 x 24mm

The Gasman is available in several variants.

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Date	Comment	Name

Schütz GmbH Messtechnik

Einsteinallee 5

D-77933 Lahr

Tel.: +49 (0) 7821 3280 100

Fax: +49 (0) 7821 3280 222

Internet: www.schuetz-messtechnik.de

E-Mail: info@schuetz-messtechnik.de

Skype: schuetzmesstechnik