

Microtector III G888

Modern
personal
protection





Microtector III G888 – Your safety is our goal

The development of the Microtector III G888 focused on the requirements of a modern multi-gas detection instrument for use in personal protection. The result is a multi-gas warning device that is safe, robust and practical and has proven itself in daily working conditions.

Advantages **Safety through quality and functionality**

Equipped with high-quality, precise and durable sensors that can be individually adapted to your requirements. Multitude of gas-combinations can be identified to ensure maximum safety of employees.

The well thought-out design of the housing and the menu navigation eases the operation of the multi-gas warning device under difficult conditions. This device features a rotating display, easily turning 180 degrees with just one click. For working in poorly lit conditions, the device conveniently features an explosion-protected LED torch.

Designed for difficult working conditions

Sometimes there is a need to work in challenging environments; the Microtector III G888 is equipped to withstand such challenges. Ex zone 1 certified, the Microtector III G888 is dust-tight and water-resistant in accordance to the IP 67 protection class. The rubberized polycarbonate housing makes the detector shock-resistant and will keep your device safe in case of a fall. It is also comfortable to wear, weighing only 275g.

Suitable for long operating times

Depending on the sensor equipment and configuration, the Microtector III G888 has an operating time of up to 65 hours.

Remote monitoring keeps employees safe

If the G888 with the radio module is used, teams can be monitored centrally via the portable GfG-Link or using a computer and an USB dongle. Information regarding the measured gas concentrations, alarm levels and the status of the man-down alarm will then be available in real time.

Be prepared for an emergency

In the event of an emergency it is always good to be prepared. The Microtector III G888 is able to simulate an alarm of any gas concentration, in order to train and prepare for a variety of emergency situations.

Maintenance & documentation

The test and docking stations for the Microtector III G888 not only allow location-independent, daily bump tests and regular functional checks, as well as the complete documentation.

G888 - the team player

The Microtector III G888 offers optimum individual protection for everyone working in hazardous and/or enclosed areas. When measuring releases of gas or searching for a gas leak, it is recommended to use the Polyectors III G999 from GfG, which has a built-in pump. The advantage: both devices can be remotely monitored by a computer or GfG-Link.

Made in

Germany

TRIPLE WARNING SIGNAL

Optical, acoustic and vibration alarm

FUNCTIONAL DESIGN

Non-slip and shock-resistant housing, water and dust protected according to IP67

RADIO MODULES (OPTIONAL)

Real-time data and alarm transmission at 868 MHz (Europe) or 915 MHz (Americas)

MAN DOWN ALARM

2 warning levels local plus notification of supervisor or alarm center*

(*optional with radio module and GfG-Link)

INTUITIVE OPERATION

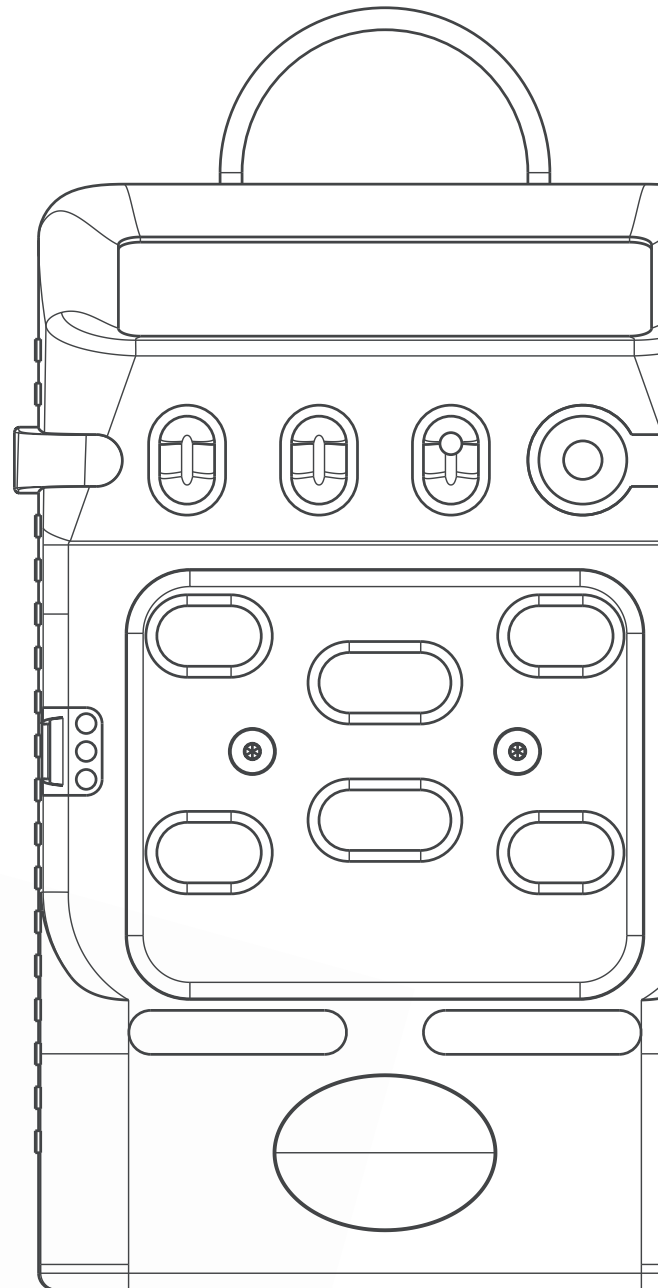
One click for important displays, convenient menu navigation with 3 buttons

SMALL, HANDY DESIGN

Smallest and lightest 7-gas detector

HIGH QUALITY SENSORS

Sensitive, precise and durable sensors for toxic/flammable gases/vapors and O₂



The right accessories for every requirement

Docking- und Test stations

Fast, automatic and cost-effective execution of daily bump tests including documentation in accordance with national regulations.

In addition to the bump tests, the GfG docking stations also enable the required, regular functional checks to be carried out.



Docking station DS400

- » 1x single/multi-gas, 1x air and 1x flue connection
- » Display and documentation of the adjustment of zero and test gas



TS400 test station

- » Can also be used mobile (no PC - 12/24 V power supply)
- » Data logger included
- » Charging function (optional)

Docking station DS404

- » **Like the DS400**
- » 4x single/multi-gas, 1x air and 1x exhaust connection

TX400 test station

- » **Like the TS400**
- » Sensitivity adjustment of the sensors
- » Display and documentation of the adjustment of test gas

GfG-Link

As a mobile monitoring unit, the GfG-Link allows the supervisor to monitor gas concentrations and alarm conditions of up to 10 employees by radio.



GfG-Link 10

- » Monitoring range up to 1400 m
- » 868 MHz band (Europe/Africa); 915 MHz band (North and South America)
- » Range dependent on interference influences (max. Free field 700 m)
- » Pager function

Additional Products



Smart Charger Cap for G888

- » Adapter for manual test gas feeding
- » Data interface and connection to PC
- » Charging function



USB-Dongle

for wireless connection incl. G888/G999 Visual software

- » Monitoring range up to 1400 m
- » 868 MHz band (Europe/Africa); 915 MHz band (North and South America)
- » Range dependent on interference influences (max. Free field 700 m)
- » Operating system: Windows



Charger DIC 888/999

- » Smart charge control for optimum charge status and long battery life



Transport and storage case

- » Suitable for GfG single and multi-gas test bottles
- » Space for TS400 or TX400 and accessories



Related Products

Polytector III G999

- » For toxic and flammable gases, O₂, CO₂
- » Additional sensor combinations incl. PID and Hybrid (WT/HL)
- » Range dependent on interference influences (max. free field 700 m)
- » Pager function



« Bump tests
made easy. »



Specialized in the variety of gas combinations

With the Microtector III G888 the concentration of up to seven gases can be monitored simultaneously. There are virtually no limits to the gas combinations, which makes the Microtector III one of the most versatile portable gas detectors. A total of

three slots are available for electrochemical sensors (EC) and one each for an infrared (IR) and a heat tinting sensor (WT). The combination of the various sensor technologies compensates for the limitations of individual processes.

The technologies at a glance:



Electrochemical

- » Linear display behaviour
- » High sensitivity
- » Easy handling
- » Low price



Infrared

- » Low cross sensitivity (high selectivity)
- » High measuring accuracy
- » only hetero-atomic gases (e.g. CH₄, CO₂)



Catalytic combustible

- » High measuring accuracy
- » Sum measurement of all flammable gases and vapours
- » Low price

TECHNICAL DATA: MICROTECTOR III G888

Measuring principle:	Electrochemical (EC): for toxic gases and oxygen Heat treatment (WT): for flammable gases and vapours (up to 100% LEL) Infrared (IR): for flammable gases and vapours and carbon dioxide	
Sample gas supply:	via diffusion opening	
Display:	illuminated LCD full graphic display, automatic size adjustment for optimum reading, display of battery capacity, gas concentration as current value and peak value	
Alerting:	Depending on gas type 3 or 2 instantaneous value and 2 exposure value alarms, battery alarm with visual and audible signal as well as display, color of display depending on alarm status (orange/red) Horn: 103 dB(A) (can be reduced to 90 dB(A))	
Zero point and sensitivity adjustment:	manually or automatically with adjustment program if necessary test gas supply via „SMART CAP“ with 0.5...0.6 slpm	
Radio:	optional 868 MHz for EU; range approx.700 m (free field) optional 915 MHz for USA; range approx.300 m (free field)	
Power supply:	NiMH rechargeable battery module; 2.6 V 2100 mAh; rechargeable	
Operating time*	Without a radio: ca. 13h (EC+WTPS+IR) ca. 21h (EC+WTPS) ca. 65h (EC) ca. 13h (EC+WTPS+IR) ca. 21h (EC+WTPS) ca. 65h (EC) ca. 23h (EC+IR) ca. 23h (EC+IR)	With radio: ca. 10h (EC+WTPS+IR) ca. 14h (EC+WTPS) ca. 26h (EC) ca. 15h (EC+IR)
Climatic conditions	For the operation: -20...+50°C 5...95 % r.h. 70...130 kPa For storage: -25...+55°C 5...95 % r.h. 70...130 kPa (recommended 0...+30°C)	
Case	Material: rubberized polycarbonate Dimensions: 68 x 100 x 39 mm (W x H x D) Weight: up to 275 g (depending on sensor equipment) Protection class: IP67	
Approvals / Tests	Labeling and ignition protection types: G888C Ⓢ I M2 Ex ia db I Mb Ⓢ II 2G Ex ia db IIC T4 Gb -20°C ≤ Ta ≤ +50°C EU Type Examination Certificate: BVS 15 ATEX E 064 X IECEX Certificate of Conformity: IECEX BVS 15.0056 X Electromagnetic compatibility: DIN EN 50270:2015 Interference emission: Type class I Interference immunity: Type class II	



*The operating time applies to new battery modules at operating temperatures of +20°C and without consideration of other energy consumers (lamps, alarms, etc.). PowerSafe mode (PS) of the catalytic combustible sensors can optionally be switched off.



Worldwide availability and quality



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