Microtector II – G460

4, 5 or 6-Gasdetector

Small, economic, reliable

CO_2, O_2, combustible gases
and a wide range of toxic gases

Infrared detection principle for CO_2

Large graphic display with colour change during alarm

103 dB loud buzzer

reddot design award

Worldwide supplier of gas detection solutions

Microtector II – G460

Flexible and robust

The compact multi-gas detector measures up to six gases simultaneously.
Numerous combinations of sensors and useful accessories allow the flexible adaptation to individual detection tasks. The simple menu structure is easy to operate.

Watertight design

Its functional and watertight design (IP67) providing an impact proof rubberized housing meets all requirements of harsh environments.

Innovative alarm system

The extremely loud audible alarm (103 dB (A) in 30cm) and bright moving allround LEDs provide a reliable warning from gas hazards. Depending on alarm status, the display changes its colour from green to orange or red, providing a clear warning in time. MAK, TLV and STEL values are also monitored.

Easy reading

A large full graphic display provides clear readings of all relevant data. The Zoom function shows enlarged reading of the individual measurement values.
The display can be turned 180° by just pushing a button – this allows an easy reading without contortion even if the detector is carried at the belt.

Longlife sensors

The pre-calibrated sensors always provide precise readings. The long sensor life minimizes the cost of ownership.

Reliable CO$_2$ detection

For increasing your personal safety, the Microtector II G460 detects carbon dioxide by means of a selective infrared sensor (NDIR). This sensor provides long-term stable detection

values, allowing to reduce the calibration intervals required by T021 and reducing the cost of operation. In contrary to electrochemical sensors, the IR sensors are not subject to cross sensitivity for the toxic hydrogen sulfide.

Long operation al time

The detector is powered by an easily replaceable rechargeable battery pack or by alkaline batteries. Depending on the frequency and duration of alarms the operational time is up to 24 hours. The batteries are fully recharged after only four hours.

Sampling pump G400-MP1

External HD-pump with separate power supply, for use in tanks, drains/manholes and all confined spaces. Easily attachable and fixed with screws, it is ready for immediate operation.

Data Logger

The optional loop data logger records gas concentrations and alarms over a period of 50 hours. This data can be transferred to a PC to be displayed and evaluated. The data logger has a storage capacity of 1800 measuring points per gas.
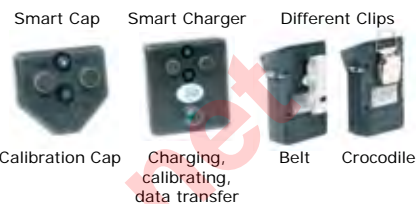
Docking Station G400

The docking station is made for the fully automatic daily bump test and adjustment in very short time. For operation no PC is necessary, all relevant data are stored automatically on MMC.

Using the docking station cost of ownership can be reduced and data storing simplified.

Accessories

Electrical HD pump, docking station, drop- in charger, data logger, battery with vibrating alarm, battery with light.

Smart Cap	Smart Charger	Different Clips

Calibration Cap	Charging, calibrating, data transfer	Belt	Crocodile

Technical Data

Dimensions
100 x 68 x 55 mm (H x W x D)

Weight
280g / with IR sensor (CO$_2$) 350g

Power supply
2 AA batteries or
rechargeable NiMh battery pack

Operational time
Up to 24 hours with EC and CC sensor
Up to 12 hours incl. IR sensor

Charging time
< 4 hours

Ambient conditions
-20°C to +55°C, 5 to 95 % r.H.

Ingress protection
IP67

Approvals
ATEX ⓔ II 2G Ex ia de IIC T4/T3, Electromagnetic Compatibility (guideline 89/336/EWG)

Alarms
103 dB (A) (in 30 cm) audible alarm (reduceable to 90 dB (A)).
Bright 360° LEDs & trichromatic background illumination depending on alarm status.
Vibrating alarm

Gas	Range	Resolution	Typical Lifetime
CH$_4$	100% LEL	1%	3-4 years
O$_2$	25 Vol.-%	0.1%	3 years
CO	300 ppm	1ppm	5 years
H$_2$S	100 ppm	1ppm	5 years
CO$_2$	5 Vol.-%	0.01 %	>6 years

www.eastern-energy.net

Email: info@ete.co.th