micr micr MEGAProtection

Single gas detector for toxic gases and oxygen



- Extremely lightweight and small
- · Ultra bright alarm lights and loud audible alarm
- Smart Sensor technology
- EEXiblICT6/T5
- Recording event data, TWA & STEL values in data logger
- Infrared Interface for data transfer to the docking station
- Upto 9 months continuous operation with one AA-battery

PRIrsM

Gas Detection - The most reliable way

Micro III - The smallest single-gas detector

Small, light and robust

The Micro III is an extremely small instrument compared to otherdetectors.Microlllweigh just 61g S-cancomfortablyfit into a shirt pocket. A built-in clip secures the MICRO III safely to a belt or pocket. The casing is extremely shock and scratch resistant. The protection type IP 56 indicates that the instrument is sealed against dust and water. The MICRO III use the AQUA-SHIELD (accessory sensor inlet) which ensures that the monitor will provide excellent performance in harsh conditions

More protection through easier operation

The G201 and the C202 is produced without buttons or switches. Therefore an operating error is completely

Pl ug-i n smart sensor

The plug-in smart sensor can be easily replaced. The MICRO III recognizes the new sensor type another measuring gas, detection range, calibration curve, aswell as alarm threshold values.

Numerous features The MICRO ill comes standard with many features including automatic zeroing, auto calibration, confidence beep, battery check, and three factory set alarm points.

The following models are available:

G201 with loud alarm horn and bright alarm lamp.

C 202/C 212 as G 201, additional: display for gas concentration, battery capacity and service control.

G 203/G 213 as G 202, additional peak / minimum calibration. TWA/STEL, control keys for display light and service functions.

Loud audible alarm I he audible alarm of the MICRO III has a changing frequency. Machinery noises do not interfere with the horn signal. The flushing LED's indicate a gas alarm. The LED's are visible at 360". The three alarm levels and the battery alarm are clearly distinguishable.

Up to 9 months operations One single AA battery powers permanent operation. The battery can be replaced easily. Once the battery has been changed, the MICRO III is ready foranother 9 months after a short warm-up time.



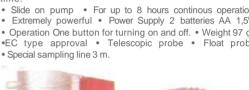


Sampling pump

An electrical high-performance pump will take samples of gase from mines or tanks. The pump replaces the battery cover and a fixed part of the instrument with its own power supply. The operation of the pump will have no influence on the operatio

- •EC type approval Telescopic probe Float prob











Micro IV - With docking station for quickest calibration. function test and data transfer to a PC

The Micro IV is the state of the art derivative of the well known single gas detector MICRO III. Besides its simple operation and reliable warning the flexible device convinces because of its large memory, an IR interface and the revolutionary docking station.

The event memory saves all important data:

- When was alarm triggered? (time)
- •Which alarm was triggered? (A1.A2, A3 TWA, STEL value)
- · Which gas concentration was present?

The MICRO IV docking station is a trendsetting device management system, which enormously reduces cost of ownership and duration of the calibration. The docking station checks the acoustic and optical alarm functions, device errors, alarm thresholds and response times of the MICRO IV. The bump-test comprises:

- Response time t,,, Alarmthresholds
- Alarms (optical and acoustic) Device software
- Device and software identification Device errors

Up to 6 MICRO IV can be checked for utilizability (bump-test) and be calibrated simultaneously.

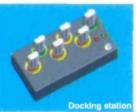
Simplest operation

The docking station reduces the daily time involved forcalibration and function test (bump test) dramatically. Al ready few calibrations and function

checks annually reduce the cost of ownership considerably.

The uncomplicated and quick operation in connection with the self-describing traffic lights signals prevent from user mistakes. Due to the compact size the station can be placed almost everywhere without an y problems. No further modules or masterstationsarenecessary





Yellow + test running

Technical Data	Micro III	Micro IV
Detection principle	Electrochemical sensor	
Gas sampling	Diffusion/pump (Option)	
Alarms	3 Alarm thresholds battery alarm TWA/STEL Optical: 2 LED 360° visible Acoustic: 95dB(30cm)	
Temperature range	-20°cto+50°c	
Humidity	5to99%r.h.	
Ambient pressure	700to1300hPa	
Dimensions & Weight	47 x 88 x 25mm (WxHxD) / 61 -85g	
Power supply	One single dry cell battery (AA 1.5 V)	
Data Logger	TWA / STEL value	Save up to 60 events with gas concentration
Approvals	EExib!ICT6/T5 ATEXFXII2G/CE	EEx 2G EEX ib IICT4/T3 ATEX@II2G

Gases & Detection ranges		
CO	Carbon monoxide	300/500/1000/2000 ppm
H ₂ S	Hydrogen sulphide	100/500 ppm
Ο,	Oxygen	2 5% Vol.
QH₄0	Ethylene oxide	20ppm
CLO,	Chlorine dioxide	2 ppm
COCL,	Phosgene	Ippm
H⊳	Hydrogen	1%/4%vol./2000ppm
HCN	Hydrogen cyanide	30/50/100 ppm
NH,	Ammonia	200 ppm
NO	Nitrogen monoxide	100 ppm
PH ₅	Phosphinc	10 ppm
SiH _d	Silane	20 ppm
SO ₂	Sulphurdioxide	10 ppm
THT	Tetrahydrothiophene	100mg/m3
CL ₂	Chlorine	10 ppm
NO,	Nitrogen dioxide	30ppm
Ο,	Ozone	1 ppm
HCL	Hydrogen chloride	30 ppm

Specification Subject to change without prior notice



Prism Electronics Pvt Ltd

213, Oshiwara Industrial Centre, New Link Road, Goregaon (W), Mumbai - 400104 Tel.: 28761387 / 28778974 Fax: (91-22) 28766116 • Email: prism@lpgsafety.com

Delhi: Tel / Fax: 91-11-2525 5403 Website: www.lpgsafety.com

PRISM An ISO 9001 Company