

## Multitec® 410



### Multiple gas warning device with catalytic sensor and nonane certification

The **Multitec 410** is the latest addition to the Sewerin range of multiple gas warning devices. Unlike the **Multitec 5xx** devices, the **Multitec 410** has a catalytic sensor, also known as a catalytic combustion sensor, for measuring flammable gases.

This sensor is designed to react to almost all flammable gases. In order to gain maximum benefit from this feature, a gas database allows the user to switch quickly between gas types.

The broad applicability of the **Multitec 410** is further underlined by the functional safety test for nonane (C<sub>9</sub>H<sub>20</sub>), helping to ensure you stay safe at all times.

All measurements can be stored and transferred to a computer via a USB port for evaluation using a free software application from Sewerin.

## Features

- Intuitive operating concept with jog dial, menu navigation and function keys
- Large-format transreflective display with backlight
- Catalytic sensor with functional safety test for nonane (C<sub>9</sub>H<sub>20</sub>)
- Rapid charging in 3 hours, even without a charging station
- Power supplied from four replaceable AA-size rechargeable or disposable batteries
- Explosion protection: TÜV 07 ATEX 553353 X  
⊕ II2G Ex d e ib IIB T4 Gb,  
⊕ II2G Ex d e ib IIC T4 Gb when used with carrying bag TG8,  
Measuring function: BVS 09 ATEX G 001 X, PFG 08 G 002 X
- Powerful pump for fast response times, even for nonane
- Supporting bracket for carrying and positioning

## Measuring range and sensors

Gas type	Measuring range	Operating principle
Standard: Methane Optional: Propane Butane Nonane	0 – 100 % LEL	Catalytic sensor (catalytic combustion sensor)
Oxygen	0,0 – 25 % vol.	Electrochemical sensor
Carbon monoxide	0 – 500 ppm	Electrochemical sensor

## Technical data

Dimensions (W × D × H):	Approx. 148 × 57 × 205 mm Approx. 148 × 57 × 253 mm with supporting bracket
Weight:	Approx. 1.000 g, depending on equipment
Protection rating:	IP54
Power supply:	4 rechargeable (NiMH) or disposable (alkaline) batteries
Operating time:	At least 8 h
Charging time for rechargeable batteries:	Approx. 3 h (complete charge), depending on capacity
Charging voltage:	12 V DC (max. 1 A)
Operating temperature:	-20 °C – +40 °C
Storage temperature:	-25 °C – +60 °C
Pressure:	800 – 1100 hPa
Permissible relative humidity:	5 – 90 % r.h., non-condensing
PC connection:	USB
Memory:	8 MB
Display:	Monochromatic graphic display, 320 × 240 pixels
Pump capacity:	– Vacuum: > 250 mbar – Volume flow: typically 50 l/h ±20 l/h

Please contact us for a comprehensive quote, including additional technical specifications and information on accessories.  
107215 – 06/2013 – Subject to technical changes.