



GROVELEY DETECTION

Groveley Detection Limited

Anchor Works, Groveley Road

Christchurch, Dorset

BH23 3HB

UK

T: +44 (0)1202 483497

F: +44 (0)1202 486658

E: sales@groveley.co.uk

Toxic Gas Detector DM-TT6

The Simtronics MultiTox DM-TT6 intelligent solid-state (MOS) gas detector can be used to detect a wide range of gases, including hydrogen sulphide (H₂S). The device has been designed for ease of operation and maintenance in hot and dry environments

The DM-TT6 is a solid-state metal oxide semiconductor (MOS) gas detector used mainly for the detection of hydrogen sulphide in arid locations. The DM-TT6 can also be configured for other gases, such as refrigerants.

The unit employs a robust sensing element which does not need a close high gas concentration to cause the active sensing material to react.

The device offers a wide range of output options as standard and is suitable for use in SIL2 applications. The unit may be interfaced directly with a wide range of panels, controllers and PLC's etc.

The intelligent, microprocessor driven unit is fully configurable using a wireless handheld terminal (TLU) giving true flexibility to the installer. Elements such as relay operation and alarm levels are all set via the TLU, hazardous area approved handheld unit.

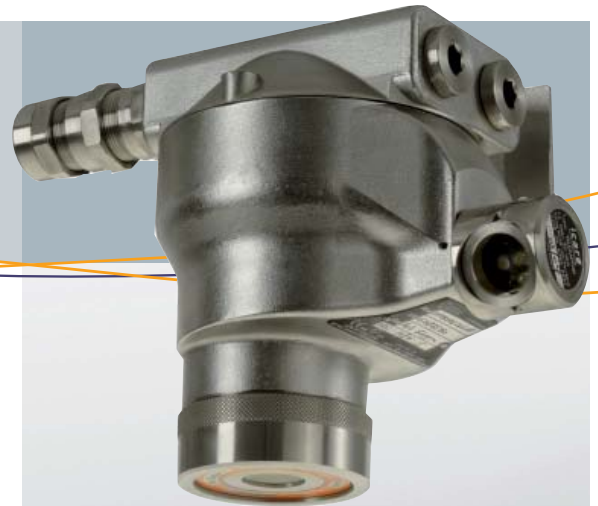
Features

- Recalibration just once a year
- Non-consumptive technology
- Resistant to high gas concentrations
- Wireless, non intrusive testing by a single technician

Features

- Reduced maintenance and service costs
- Long service life
- Suitable for extreme conditions
- Reduced service costs

www.groveley.co.uk



Wireless (IR)
Handheld Terminal

*No-one ever regretted
buying quality...*

Toxic Gas Detector DM-TT6

TECHNICAL DETAILS

General

- Detection method: Solid state metal oxide semiconductor
- Gases detected: H₂S
- Range: 0 -50 ppm H₂S
0-100 ppm H₂S
0 - 200 ppm H₂S

Output Signals

- Standard
4-20 mA source, maximum load impedance 700 Ω
- Relay Output
2 configurable. Rated max 1A / 30V DC
- Options
0-22mA (for PLC) or Lonworks (for Syntel system)

Electrical

- Power supply 24V DC, range (18 - 32V DC)
- Consumption 65 mA normal
- Connections
0.3 mm² (22 AWG) - 1.5 mm² (12 AWG)
Shielded cable recommended

Environmental

- Storage temperature -40°C to + 70°C
- Operational temp. -20°C to + 60°C
- Humidity (operation) 0-95% RH (non-condensing)

Certification

- ATEX ATEX II 2 G Ex d II C T6
- Certificate number LCIE03ATEX6263
- IECEx IECEx LC 109.0018

Reliability Data

- Toxic gases MTBF: 67500 h

Housing

- Material Epoxy coated aluminium
Option 316 L stainless steel
- Protection IP66
- Weight 1.8kg aluminium housing
6.5 kg stainless steel
- Dimensions 175L x 118W x 184H mm

Accessories

- TLU600 wireless hand held terminal
- Calibration kit
- Calibration cup
- Sample flow housing
- Splash guard
- Sun shade
- LCD display

www.groveley.co.uk

*No-one ever regretted
buying quality...*