

TRANSMAX/EC GAS MONITOR

Two-wire Toxic / O₂ Gas Detection

- ◆ Designed for non-hazardous areas
- ◆ Non-polarized loop powered interface eliminates wiring errors
- ◆ Graphic display shows value, units, trend graph
- ◆ Non-intrusive one-person prompted calibration
- ◆ Low cost disposable sensors
- ◆ Power-up and post-cal delay eliminates false alarms
- ◆ Real time clock tags alarm events
- ◆ Flashing Alarm Indicator LEDs
- ◆ Event log tracks alarms, calibration
- ◆ Security settings lock critical values
- ◆ TRANSMAX II for local relays, VOC, CO₂ and MODBUS

The TRANSMAX/EC loop-powered single channel Toxic / Oxygen gas monitor delivers the latest in two-wire gas detection technology, reliability and ease of use.

The TRANSMAX/EC is designed especially for use in non-hazardous areas. The enclosure is rated NEMA 4X IP66/67; an optional splash guard is available to protect the sensor from directed water spray.

The highly visible display shows calibrated engineering values, bar-graph data, 30-minute trend and setup information. An internal real-time clock time-stamps calibration and alarm events for later review. Front panel flashing LEDs continuously indicate alarm conditions.

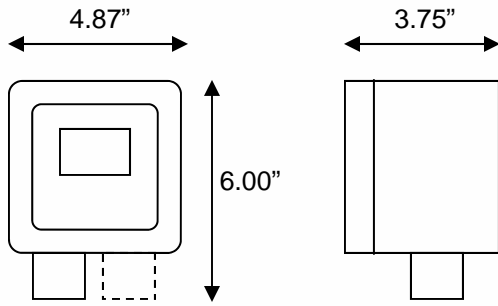
Operator interface is a menu-driven magnetic keypad, allowing complete setup and calibration without opening the enclosure. There are no potentiometers and all adjustments are performed through the magnetic keypad interface.

The TRANSMAX/EC maintains a record of sensor calibration data that provides an estimate of sensor life remaining. During each post-calibration purge delay, the TRANSMAX / EC can be programmed to transmit this data on the 4-20mA output. Controllers such as the C1 *Protector* can display and communicate this data to a distributed control system or HMI such as the *Protector*HMI Data Visualization & Logging Software.



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GDS CORP



- Operating Voltage** 10-30VDC at less than 0.75 watts in 2-wire 4-20mA configuration
- Display** 64 x 128 pixel LCD with 30-minute trend, bargraph and engineering units
- Input** Accepts micro-amp signals from standard GDS Corp. toxic / O₂ sensors
- Output** Standard 2-wire 4-20mA current sink output. Max loop R is 600 ohms with nominal 24VDC power supply.
- Temp Range** -20°C to +50°C operating
- Housing** Polycarbonate housing with transparent cover. Stainless steel
- Dimensions** Width 4.87" (124mm), Height 6" (152mm), Depth 3.75" (95mm)
Shipping weight 3.5 pounds (1.6 kg)
- Warranty** Two years on electronics and one year on sensors from date of

TRANSMAX /EC Order Guide

TM/EC A - B - C - D

"A" - Sensor Head ¹

- 1 Local DELRIN® sensor head with integrated sensor
- 2 Local DELRIN sensor head with integrated sensor (w/ splash guard)

"B" - Sensor Type

- | | |
|----------------------------|------------------------|
| 10 Oxygen | 21 Ozone |
| 11 Carbon Monoxide | 22 Ethylene Oxide |
| 12 Chlorine | 23 Arsine |
| 13 Chlorine Dioxide | 24 Silane |
| 14 Hydrogen | 25 Fluorine |
| 15 Hydrogen Sulfide | 26 Phosgene |
| 16 Hydrogen Cyanide | 27 Hydrazine |
| 17 Hydrogen Chloride | 28 Nitric Oxide |
| 18 Hydrogen Fluoride | 29 Nitrogen Dioxide |
| 19 Sulfur Dioxide | 30 Mercaptane TBM |
| 20 Ammonia NH ₃ | 31 Tetrahydrothiophene |

"C" - Target Gas Range ²

- | | | |
|----------|---------|----------|
| 1 0-1.00 | 4 0-25 | 7 0-500 |
| 2 0-5.00 | 5 0-50 | 8 0-1000 |
| 3 0-10.0 | 6 0-100 | 9 Other |

"D" - Pre-Drilled Conduit Mounting Option

- 0 No-predrilled conduit entry
- 1 Pre-drilled entry in TOP of enclosure
- 2 Pre-drilled entry in LEFT side of enclosure
- 3 Pre-drilled entry in RIGHT side of enclosure
- 4 Other; contact factory

Note 1: DELRIN sensor installations do not utilize Smart Sensor interface

Note 2: Standard ranges are shown; contact factory for additional ranges



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