



# ToxGas Ranger™ Series

## Portable Monitor Model R-3557-P

### Portable Sample Draw Toxic Gas Monitor



- \* Prompted calibration procedure and cal port for easy maintenance
- \* Accepts sample lines up to 50 ft length
- \* Operates on 10-24VDC or built-in 110/220VAC power supply
- \* Low cost for single point monitor for toxic and LEL or VOC levels
- \* Single or dual channel operation
- \* Rugged water-tight case
- \* Graphic display shows values, units, trend graph
- \* Non-intrusive one-person prompted Calibration
- \* Backlit display for better visibility in low light
- \* Manufactured in USA

### Portable Toxic/O<sub>2</sub>/Combustible Gas Monitor

Dual channel capability allows the R-3557-P to monitor one or two low cost, disposable Delrin sensors that can be easily replaced by the user. The "ECHEM" channel supports any of the 20+ toxic sensors, and the "BRIDGE" channel accepts inputs from SmartIR infrared LEL and CO<sub>2</sub> sensors as well as the Photoionization Detector (PID) for monitoring Volatile Organic Compounds (VOCs).

### Portable Monitor

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

ToxGas Ranger™ Model R-3557-P Specifications	
<b>Operating Voltage</b>	10-30VDC at <3 watts with replay board
<b>Display</b>	Backlit 64x128 pixel LCD with 30-minute trend, bargraph and eunits
<b>Inputs</b>	EC channel: Accepts signals from toxic/O2 sensors mA/ Bridge channel: Adjustable excitation voltage for SmartIR, PID and catalytic bead
<b>Temp Range</b>	-20°C to +50°C operating
<b>Housing</b>	Rugged water-tight case
<b>Dimensions</b>	9.25"x7.25"x6.25" 5 lbs
<b>Warranty</b>	2 years on electronics and one year on sensors from date of purchase

EC Channel Sensors		
10 Oxygen	11 Carbpn Monoxide	12 Chlorine
13 Chlorine Dioxide	14 Hydrogen	15 Hydrogen Sulfide
16 Hydrogen Cyanide	17 Hydrogen Chlorine	18 Hydrogen Flouride
19 Sulfur Dioxide	20 Ammonia NH3	21 Ozone
22 Ethylene Oxide	23 Arsine	24 Silane
25 Flourine	26 Phosgene	27 Hydrazine
28 Nitric Oxide	29 Nitric Oxide	30 Mercaptan TBM
31 Tetrahydrothio-		
EC Measurement Range		
1 0-1.00	2 0-5.00	3 0-10.0
4 0-25	5 0-50	7 0-500
8 0-1000	9 Contact Factory	
Bridge Channel Sensor		
50 SmartIR 0-100% LEL	51 SmartIR 0-100%	52 SmartIR 0-100%
53 SmartIR 0-5%	60 Photoionization	61 Photoionization
70 Catalytic Bead for	80 MOS H2S 0-50ppm	90 4-20mA Input
Bridge Channel Measurement Range		
1 0-1.00	2 0-5.00	3 0-10.0
4 0-25	5 0-50	6 0-100
7 0-500	8 0-1000	9 Contact Factory

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