



The Model T803 CO₂/O₂ Analyzer



The Model T803 CO₂/O₂ analyzer is based on widely accepted sensor techniques, producing an excellent, rugged product designed for extractive CEM or RATA applications. Non-dispersive infrared and paramagnetic measurement technologies give accurate and reliable results combined with product longevity, providing the best price performance value on the market.

— Available with NumaView™ premium T Series software —

- Large, vivid, and durable color touchscreen display
- All other T Series instrument platform features
- Lifetime technical support by phone and email
- Standard two-year warranty



Model T803 Specifications

■ CO ₂ Range O ₂ Range	0 - 20% full scale (selectable, dual-range supported) 0 - 1% to 0-100%
■ Zero Noise	< 0.02% (RMS)
■ Span Noise	< 0.1% of reading (RMS)
■ Lower Detectable Limit	< 0.04%
■ Zero Drift	< ±0.02% /24 hours; < ±0.05% /7 days
■ Span Drift	< ±0.1% /7 days
■ Accuracy:	< ±(1.5% of range +2% of reading)
■ Temperature Coefficient:	< ±0.01% per degree C
■ O ₂ Ranges	Min: 0 - 1% full scale (selectable) Max: 0 - 100% full scale (selectable)
■ Linearity	±0.1%
■ Rise and Fall Time:	< 60 seconds to 95%
■ Flow Rate	120ml ± 20ml/min
■ Humidity Range:	0 - 95% RH
■ Pressure Range:	25 - 31 in Hg
■ Power Requirements	100V-120V, 220V-240V, 50/60 Hz
■ Analog Output Ranges	10V, 5V, 1V, 0.1V (selectable)
■ Recorder Offset	±10%
■ Included I/O	1 x Ethernet: 10/100Base-T 2 x RS232 (300-115,200 baud) 2 x USB device ports 8 x opto-isolated digital outputs 6 x opto-isolated digital inputs 4 x analog outputs
■ Optional I/O	1 x USB com port 1 x RS485 8 x analog inputs (0-10V, 12-bit) 4 x digital alarm outputs Multidrop RS232 3 x 4-20mA current outputs
■ Operating Temperature Range	5 - 40°C
■ Dimensions (HxWxD)	7" x 17" x 23.5" (178 x 432 x 597 mm)
■ Weight	28 lbs (12.7 kg)

Specifications subject to change without notice.
All specifications are based on constant conditions.



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(DCN 7436) 03.13.17

