

## The Model T300 Gas Filter Correlation CO Analyzer



Using IR Gas Filter Correlation technology, the Model T300 CO analyzer produces excellent zero and span stability, high signal-to-noise ratio, and provides advanced electronics to allow accurate, dependable, continuous measurements for ambient air quality, stack gas monitoring and other applications.

— 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 and five years on the GFC wheel

# T300

## T300 Specifications

|                               |                                                                                                                                                                                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ● Ranges                      | Min: 0 - 1 ppm full scale<br>Max: 0 - 1,000 ppm full scale (selectable, dual-range supported)                                                                                     |
| ● Measurement Units           | ppb, ppm, µg/m <sup>3</sup> , mg/m <sup>3</sup> (selectable)                                                                                                                      |
| ● Zero Noise                  | < 0.02 ppm (RMS)                                                                                                                                                                  |
| ● Span Noise                  | < 0.5% of reading (RMS) above 5 ppm                                                                                                                                               |
| ● Lower Detectable Limit      | < 0.04 ppm                                                                                                                                                                        |
| ● Zero Drift                  | < 0.1 ppm/24 hours                                                                                                                                                                |
| ● Span Drift                  | < 0.5% of reading/24 hours                                                                                                                                                        |
| ● Response Time               | < 70 seconds to 95%                                                                                                                                                               |
| ● Linearity                   | 1% of full scale                                                                                                                                                                  |
| ● Precision                   | 0.5% of reading (RMS) above 5 ppm                                                                                                                                                 |
| ● Sample Flow Rate            | 800 cc/min ±10%                                                                                                                                                                   |
| ● 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<br>2 x RS232 (300-115,200 baud)<br>2 x USB device ports<br>8 x opto-isolated digital outputs<br>6 x opto-isolated digital inputs<br>4 x analog outputs |
| ● Optional I/O                | 1 x USB com port<br>1 x RS485<br>4 x digital alarm outputs<br>Multidrop RS232<br>3 x 4-20mA current outputs                                                                       |
| ● Operating Temperature Range | 5 - 40°C operating, 10 - 40°C (US EPA Equivalency)                                                                                                                                |
| ● Dimensions (HxWxD)          | 7" x 17" x 23.5" (178 x 432 x 597 mm)                                                                                                                                             |
| ● Weight                      | 40 lbs (18 kg)                                                                                                                                                                    |
| ● Certifications              | US EPA: RFCA-1093-093<br>EU: EN14626 TÜV Rheinland<br>QAL1 Certified: EN15267<br>MCERTS: Sira MC 050069/08<br>CNEMC: 质(认)字 No. 2018-209 Report                                    |

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