**Air quality monitors gas**

**Thermo 48iQ ambient CO analyser**

***Description***

The Thermo Scientific™ 48iQ Carbon Monoxide (CO) Analyzer utilizes gas filter correlation technology to measure the amount of carbon monoxide in the air.

***Specification***

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| **Product Size** | -  |
| **Gases Measured** | Carbon Monoxide  |
| **Description** | 48iQ Carbon Monoxide Analyzer  |
| **Flow Rate** | 1.0 SLPM (1 atm inlet pressure)  |
|  |  |
| **Height (Metric)** | 221.48mm  |
|  |  |
| **Depth (Metric)** | 609mm  |
| **Linearity** | '±1% full scale < 1000 ppm; ±2.5% full scale > 1000 ppm  |
| **Lower Detectable Limit** | 0.04ppm (30 second averaging time)  |
| **Approvals and Certifications** | CE, TUV-SUD Safety, RFCA-0981-054  |
| **Response Time** | 60 seconds (30 second averaging time)  |
| **Span Drift** | ±0.5% reading (24 hour)  |
| **Temperature (Metric) Operating** | 5–45 °C (may be safely operated over the range of 0–45 °C)  |
|  |  |
| **Weight (Metric)** | 15.6kg  |
|  |  |
| **Width (Metric)** | 425mm  |
| **Zero Drift** | <0.1 ppm (24 hour)  |
| **Zero Noise** | 0.02 ppm RMS (30 second averaging time)  |
| **Measurement Range** | 0-10000 (ppm or mg/m3)  |
| **Analog Inputs** | 4 Isolated voltage inputs 0–10 V  |
| **Analog Output** | 6 Isolated analog voltages outputs, with 4 selectable ranges 6 Isolated analog current outputs, with 2 selectable ranges  |
| **Communication Ports** | Serial Ports:1 RS-232/485 port 1RS-485 external accessory port Other Ports:3 Full speed USB ports (one in front, two in rear) 1 Gigabit ethernet port  |
| **Communication Protocols** | MODBUS, streaming  |
| **Detection Limit** | 0.04 ppm (30 second averaging time)  |
| **Digital Inputs** | 16 Digital inputs (TTL)  |
| **Digital Outputs** | 10 Digital reed relay contact outputs 8 Solenoid driver outputs  |
| **Power Requirements** | 100–240 VAC 50/60 Hz 275 Watts |