**Air quality monitors gas**

**Thermo 42iQ ambient NO-NO2-NOx analyser**

***Description***

The Thermo Scientific™ 42iQ NO-NO2-NOx Analyzer utilizes chemiluminescence technology to measure the amount of nitrogen oxides in the air from sub-ppb levels up to 100ppm.

***Specification***

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| **Product Size** | - |
| **Height (Metric)** | 221.48mm |
| **Weight (Metric)** | 18kg |
| **Width (Metric)** | 425.45mm |
| **Description** | 42iQ NO-NO2-NOx Analyzer |
| **Flow Rate** | 0.6-0.8 L/min. |
| **Linearity** | +/-1% full scale |
| **Response Time** | 40 seconds (10 second averaging time) 80 seconds (60 second averaging time)  300 seconds (300 second averaging time) |
| **Span Drift** | ±1% full scale (1 week) |
| **Temperature (Metric) Operating** | 0-40 degrees Celsius |
| **Zero Drift** | <0.40 ppb (24 hour) |
| **Zero Noise** | 0.20ppb RMS (60 second averaging time) |
| **Approvals and Certifications** | CE, TUV-SUD Safety, RFNA-1289-074 |
| **Depth (Metric)** | 609mm |
| **Detection Limits** | 0.40 ppb (60 second averaging time) |
| **Measurement Ranges** | Extended Ranges: 0-100ppm; 0-150 mg/m^3 Custom Ranges: 0-20ppm; 0-30 mg/m^3 |
| **Preset Measurement Ranges** | 0-0.05, 0.1, 0.2, 0.5, 1, 2, 5, 10, 20 ppm 0-0.1, 0.2, 0.5, 1, 2, 5, 10, 20, 50 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 1 RS-485 external accessory port  Other ports: 3 Full speed USB ports (one in front, two in rear) 1 Gigabit ethernet port |
| **Digital Inputs** | 16 digital inputs (TTL) |
| **Power Requirements** | 100-240 VAC 50/60 Hz, 275 Watts |