**Workplace monitors for dust and gases**

**Thermo Miran SapphIRe gas analyser**

***Description***

Accurately measure a variety of gases with a single instrument using Thermo Scientific™ MIRAN SapphIRe Portable Ambient Analysers. These analysers utilize infrared spectroscopy for wavelength coverage that permits outstanding single and multi-gas monitoring as well as unknown compound identification, making the MIRAN SapphIRe one of the most versatile gas detection system on the market today. In addition, non-destructive infrared technology means you can send field-analysed samples to a laboratory for further analysis.

***Specification***

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| **Computer Requirements** | Windows-based graphical user interface |
| **Description** | 120 single-gas application, Single battery charger |
| **Display Type** | 8 lines 40-character LCD |
| **Flow Rate** | 14L/min. |
| **Height (English)** | 14.4 in. |
| **Height (Metric)** | 365mm |
| **Depth (English)** | 7.6 in. |
| **Depth (Metric)** | 193mm |
| **Outputs** | 0 to 1VDC, Parallel, Serial |
| **Weight (English)** | 24 lb. |
| **Weight (Metric)** | 10kg |
| **Width (English)** | 21.8 in. |
| **Width (Metric)** | 553mm |
| **Alarms** | User definable |
| **Analysis Time** | Single wavelength, 20 sec.; 5 wavelengths, 50 sec.; spectral scan, 165 sec. |
| **Battery Life** | 4 hr. |
| **Battery Type** | Internal, Rechargeable NiCad. 7.2V nominal; 5.7 Ah capacity |
| **Detector Type** | Single beam infrared spectrophotometer |
| **Item Description** | XL Model; 120 single-gas application |
| **Optics** | Linear Variable Filter (LVF) from 7.7 to 14.1; seven fixed band pass filters 1.8, 3.3, 3.6, 4.0, 4.2, 4.5, and 4.7 |
| **Pathlength** | 0.5 or 12.5M |
| **Response Time** | 18 sec. to 90% of final reading |
| **Sample Cell Volume** | 2.23L |
| **Certifications/Compliance** | User-specified models are certified for: ETL (Class 1, Div. 1 Groups B, C and D Temp Class T4)ETL-C (Class1, Div. 1 Groups B, C and D Temp Class T4). CE marked |