**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 |