**BM25**  
ATEX transportable area monitor

### POWER SOURCE

**Power source:** NiMH battery pack  
An intrinsically safe trickle charger is also available for long-term area monitoring in classified zones.  
**Chargers:** Integrated and intelligent charger, with continuous power supply of 12V DC to 30V DC compatible for vehicle use. A 100V AC/230V AC adaptor allows sector recharge  
**Recharge Time:** 4.5 hours  
**Run Time:**  
Example for combustible gases/O2/TOX1/TOX2: 100 hours typical

### TECHNICAL FEATURES

**Sensors:** Intelligent, precalibrated, interchangeable units. Automatic recognition by the BM25A by Means of EEPROM  
**List of gases:**  
**Display:** Graphic liquid crystal display with backlight  
**Alarm thresholds:**  
- LEL: 2 adjustable instantaneous thresholds in 0-60% LEL range  
- Oxygen: two adjustable instantaneous thresholds over the sensor’s whole measuring scale (over-oxygenation and under-oxygenation) or two optional under-oxygenation thresholds  
- Toxic (by sensor): two adjustable instantaneous thresholds over the whole range – STEL and TWA  
**Visual indications:**  
An indicator light (made of 20 ultra-bright LEDs) installed on top of the instrument indicates alarm conditions and can be seen from all directions  
**Programmable inputs/outputs:**  
2 relay outputs (default and gas) and 2 logic inputs (remote acknowledged and alarm transfer)  
**Audible alarms:** 103dB @ 1m  
**Ingress Protection:** IP66  
**Weight:** 6.8 kg (15 lbs)  
**Dimensions:** 470x180 x190mm (16.7” x 7.1” x 7.5”)  
**Certifications:**  
ATEX & IECEx VERSIONS (BM 25 and BM 25W)  
- **BM25 (standard version)**  
  **Without IR sensor:**  
  II 1G / I M1  
  Ex ia IIC T4 Ga / Ex ia I M1  
  **With IR sensor:**  
  II 2G / I M2  
  Ex ia d IIC T4 Gb / Ex ia d I Mb  
- **BM25W (wireless version)**  
  **Without IR sensor:**  
  II 1G / I M1  
  Ex ia IIB T4 Ga / Ex ia I M1  
  **With IR sensor:**  
  II 2G / I M2  
  Ex ia d IIC T4 Gb / Ex ia d I Mb  
**or**  
II 2G / I M2  
Ex ia IIC T4 Gb / Ex ia I Mb  
**Ex**  
INERIS 05ATEX0044  
IECEx INE 06.0002  
CSA VERSION (BM 25A and BM 25AW)  
**BM25 (standard version)**  
Class I, Division 1, Groups A,B,C,D ; Ex ia d IIC T4  
BM 25 (standard version)  
Class I, Division 1, Groups C,D ; Ex ia d IIB T4 - PENDING  
C22.2 No.152 (% LEL only)  
BM 25A with pump or PID sensor or with infrared sensor for combustible gases detection is not CSA certified

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