

Thermo TEOM 1405-DF Ambient Particulate Monitore



RENTAL AND APPLICATION NOTES:

- Internal data logging of user-specified variables; capacity of 500,000 records.
- Instrument diagnostics can be performed remotely or locally with touch screen.
- Combines control unit, mass sensor and FDMS into a single integrated unit.
- Includes an internal pump and active flow control.
- Provides a self-referencing, NIST traceable true mass measurement using proven high reliability TEOM technology.

SPECIFICATIONS:

- Weight: 83lbs.
- Dimensions: 17"x19"x55".
- Power: TEOM: 440W; Pump: 518W.; 120 VAC
- Detection method: Tapered Element Oscillating Microbalance.
- Detection limit: Resolution: $0.1 \mu\text{g}/\text{m}^3$;
Precision $\pm 2.0 \mu\text{g}/\text{m}^3$ (1h), $\pm 1.0 \mu\text{g}/\text{m}^3$ (24h).
- Outputs: software touchscreen, FTP, USB, RS232, RS485, 8 0-1 or 0-5 vdc analog.
- Manufacture Range: $0-1 \text{ g}/\text{m}^3$.
- Operating Temperature: $8-25^\circ\text{C}$.
- Sample temperature: -40 to -60°C .
- Flow rate: Fine PM: $3.0 \text{ l}/\text{m}$; Coarse PM; $1.67 \text{ l}/\text{m}$; Bypass $12.0 \text{ l}/\text{m}$.
- Option: HVAC Shelter is available
PM2.5 - EQPM -0609-182