

## AQ 10

Applications Monitor PM-10 emissions for EPA title 1 compliance of the Clean Air Act. Continuous monitoring of particulate discharge from cyclones, baghouses or dust control devices. Multipoint monitoring of in-plant dust generating processes. Activates air cleaners/ventilation systems. Continuous monitoring of in-line filter integrity. Indoor air quality monitoring. Air quality monitoring. Air quality in underground transportation systems. Aerosol exposure studies. Dry solids process control & monitoring. Can be used for all particulate air emissions monitoring applications.

The AQ-10 utilizes an optical layout consisting of an infrared emitter and silicon detector. As particles enter the sensing area an analog output, current or voltage, provides a signal which is proportional to the particle concentration. The signal can be sent to a recorder or central processing panel.

### Features

- Easy to install
- Flexible design for fixed point monitoring.
- Standard output of 4-20mA or optional 0-1V output
- Adjustable alarm
- Light weight and durable construction
- Optional LCD Concentration Display with read out in mg/m<sup>3</sup>
- Optional Nema 4X housing or Explosion Proof Enclosure
- EDC can help you custom design your own AQ-10

Specification	
Sensing Range	0.01-200 mg/m <sup>3</sup> (standard); 0.1-2000 mg/m <sup>3</sup> or 0.001-200 mg/m <sup>3</sup> (optional)
Particle size range	0.1-50 µm
Precision	±0.02 mg/m <sup>3</sup> or ±0.004 mg/m <sup>3</sup>
Power	110 or 220 VAC; 12VDC wall transformer (optional)
Signal output	4-20 mA; 0-1 volt (optional)
Alarm output	7 VDC
Operating temperature	-4 to 150°F
Humidity	95% non-condensing
Dimensions	7.5" x 4.5" x 4" approx
Weight	3 lbs.

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