

GJ1000 Laser Opacity Monitor is microprocessor based, single pass dust concentration detection monitor. The microprocessor creates excellent stability and reliability, patented glass fiber optic technology further enhances the performance. GJ1000 Laser Opacity Monitor is specially designed for long time use under extremely difficult industrial environment. Accuracy and repeatability meet State EPA requirement.

Specifications

- Accuracy: $\pm 2\%$ FS
- Zero Drift: $\pm 1\%$ FS/Week
- Span Drift: $\pm 1\%$ FS/Week
- Response Time: 3 seconds to 95%FS
- Alignment Offset: 0.5% / 1% Opacity
- Angle of View: $< 4^\circ$
- Angle of Projection: $< 3^\circ$
- Light Source: Service life over 3 years
- Power: 115/220VAC $\pm 10\%$ 50/60Hz 2A
- Stack Diameter: up to 25m
- Stack Temperature: up to 800°C
- Ambient Temperature:
5-45°C (Display Controller), -20-60°C (Detector)
- Analog Output: 4-20mA
- Port: RS232 standard, RS422/485 optional



GJ1000 Laser Opacity Monitor

HAMA GJ1000 Features

- Auto zero and span calibration
- Measured stack diameter up to 25m
- EPA compliance
- Laser optical source with specific wave length
- No moving parts
- Microprocessor control
- Auto adjustment and correction
- Light source service life over 3 years
- Self-offset
- RS232/485 Port

