DUST ANALYZER

For Continuous Monitoring of High Temperature and Particle Concentration

An on-line dust monitoring device using the main stream technology of laser back-scattered light principle with imported core components. Mainly used for continuous monitoring of various sources missions of particulate matter concentrations. It can be either equipped with CEMS, or connected with dust monitoring network by a shared set of data acquisition and processing background.

It is available for the monitoring and control of soot emission, flue gas De SOx and removal of dust for power generation boilers, industrial furnaces, industrial boilers in the thermal power, iron and steel metallurgy, petrochemical, chemical, cement production, ceramics, waste in cineration, etc.

Technical Specification

Principle	*Backward scattering*
Ranges	*0~200mg/m3, 0~10g/m3(option)*
Accuracy	*+/-2% F.S.*
Repeatability	*+/-1% F.S.*
Response Time	*1s*
Laser Transmitter	*650nm*
Flue Gas Temperature	*<500°C (higher temperature need to be customized)*
Ambient Temperature	*-40°C~ 50°C*
Duct Diameter	*>0.7m*
Analog Output	*4-20mA, maximum load 800Ω , 2X(4-20)mA*
Digital Interface	*RS485,2 relay outputs*
HMI	*IRC+LCD*
Weight	*2kg*
Power	*<3watt*
Dimensions	
Supply	*24VDC*