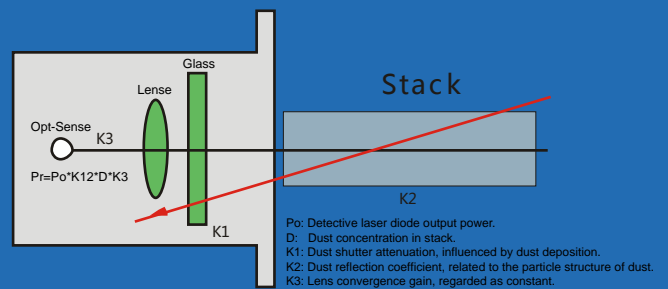




## 1 | Measuring Principle

The laser beam passes across the stack or duct work and is reflected by the dust particles, the reflected light is then detected by the photoelectric sensor. The intensity of reflected laser signal is proportional to dust concentration, by which the resulting signal is analyzed to yield dust concentration.



## 2 | FEATURES AND BENEFITS

- Online continuous monitoring for various emission sources
- Combined techniques: adaptive stabilization, dynamic adaptive phase-lock amplification
- Very low zero drift, patented technology of online calibration
- Compact, easy to install, anti-lightning, high adaptability, low cost and less maintenance

## 3 | SPECIFICATION

Item	Index
Principle	Laser back scattered
Component	dust
Measurement range	0~200~1000mg/m <sup>3</sup>
Protection grade	IP66
Response time	≤ 10s
Span drift	≤ (±2)%F.S./24h
Zero drift	≤ (±2)%F.S./24h
Outputs	Analog, RS485
Power Supply	DC24V/0.3A