



## Industrial Surveillance System

### Dust Concentration Monitoring System

#### Product Features:

- Using the latest semiconductor nanotechnology, the lowest power consumption 32-bit microprocessor, 24-bit ADC data chip.
- 2.0-inch industrial and clear screen with a resolution of 320X240.
- Switch: the two concentration units of  $\mu\text{g}/\text{m}^3$  and  $\text{mg}/\text{m}^3$ .
- LCD of gas concentration, type, unit, and working status.
- Independent air chamber, detector replacement without on-site setting, automatic identification of critical parameters.
- Two alarm settings, dual relay signal output
- Two sets of no-load signal output NO/NC, multiple signals can be output simultaneously: (1) Standard equipped with 4-20mA signal, standard 4-20mA output, transmission distance <1km (2) Equipped with RS485 signal as standard, using standard Modbus RTU protocol, transmission distance <1km.
- It can withstand voltage, lightning protection, short circuit, reverse connection protection, anti-static, and anti-magnetic field interference. It has an automatic recovery function to prevent any external human factors and natural disasters from causing damage to the detector.
- Anti-explosion certification Exd IIB Gb/Ex tb IIIC Db.

### MIT-Ex-DCD



#### Specification:

Specification			
Detect Gas	PM2.5 and PM10		
Detect Method	laser scattering		
Install Method	wall-mounted or pipe-connected (screw thread size: G1/2)		
Detect Range	(0-1000) $\mu\text{g}/\text{m}^3$ & (0-6000) $\mu\text{g}/\text{m}^3$		
Resolution	1 $\mu\text{g}/\text{m}^3$		
Operating Voltage	DC24V $\pm$ 15%		
Accuracy	$\pm$ 10% F.S	Linearity Error	$\pm$ 5% F.S
React Time	$\leq$ 10 second (T90)	Zero Drift	$\pm$ 2% F.S/ per year
Recover Time	$\leq$ 30 second (T90)	Repeatability	$\pm$ 2% F.S
Relay	Two sets of relay output, contact capacity: 30VDC 2A/125VAC 1A		
Explosion-proof certification	Exd IIB Gb/Ex tb IIIC Db		
IP ratings	IP66	Wiring Hole	M20x1.5 & G1/2
Explosion-proof Housing	Copper-free aluminum alloy	Pressure	86~106pa
Operating Humidity	$\leq$ 95%RH, no cold condensation	Temperature	-20~55°C