

**EXPLOSION-PROOF TYPE
DUST MONITOR**

Triboelectric Dust Monitor

PFM Series







Intrinsic Safty Type (Ex ib IIB) Released!

It is possible to apply to explosion-proof areas such as power plants, petrochemical and chemical industries.

It is certified as the explosion-proof, which make it possible to monitor powder or dust concentration in explosion-proof areas.

Features

-  It can be applied to explosion-proof areas.
-  The whole parts are designed and supplied by our own company.
-  The non-integrated transducer can be adjusted by remote control.
-  **Explosion-proof type Dust Monitor**
 - Model: PFM-M01PEX
 - Product composition: Sensor, Zener barrier, and Remote type transducer
 - Explosion-proof type: Ex ib II B T4

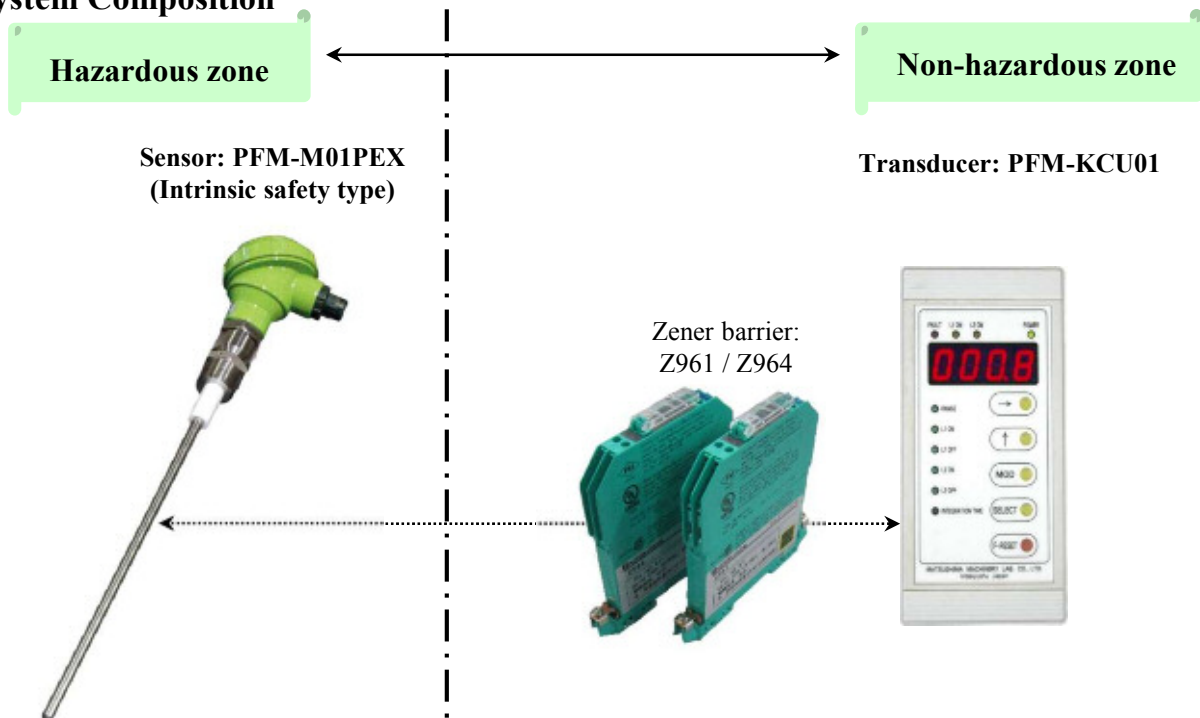
Note: it is unavailable for hazardous area zone 0.



● Specification

| Content | | Specification | Content | Specification |
|--------------------------|-----------------------|--|--------------------------------|--|
| Measured object | Particle size | 0.3 μm or more | Model | Sensor: PFM-M01PEX, Transducer: PFM-KCU01 |
| | Measurement range | 0.1 ~ 1000 mg/m ³ (Reference density) | Structure | Sensor, Remote type transducer |
| Measurement condition | Process temperature | 60 °C or less | Approx. Mass | Sensor: 1.3kg, Transducer: 0.7kg (L=300mm) |
| | Ambient temperature | -20 ~ +60 °C (without dew and freeze) | Mounting for transducer | Wall or DIN rail mounting |
| | Flow speed | 4 m/s or more (stable speed) | Power Consumption | 7 VA |
| | Humidity | 40 vol % or less | Signal cable length | 5 m signal cable included (max. 100 m available at option) |
| | Pressure | 200 kPa or less | Display | 4 digit 7 seg LED |
| Functional Specification | Power Supply | 110 or 220 VAC (-15~+10%) 50 / 60 Hz | Specification of Zener barrier | |
| | Analog output | 4 ~ 20 mA DC (Load resistance: 500 Ω) | Explosion-proof type | [Ex ia] II B |
| | Contact output Signal | Two contacts for upper limit alarm, one contact for fault alarm (Contact capacity: 250 VAC 2A) | Enclosure | Protection rating: IP20 |
| | Measurement range | 9 levels | Ambient temperature | -20 ~ +60°C (without dew and freeze) |
| | Data Averaging | Time setting up to 0 ~ 30 seconds. | Ambient humidity | 5 % ~ 95 %RH |
| | Probe length | 300 ~ 1000 mm | | |
| | Enclosure | Dust-proof / drip-proof structure | | |
| | Mounting | R1 screw with one-inch socket | | |

● System Composition



Specifications are subject to change without notice.
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Caution
 ● Read the instructions to ensure correct and suitable application of products.
 ● Contact our nearest sales office when using our products for any systems used in situations which may be life threatening.

Distributor



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