

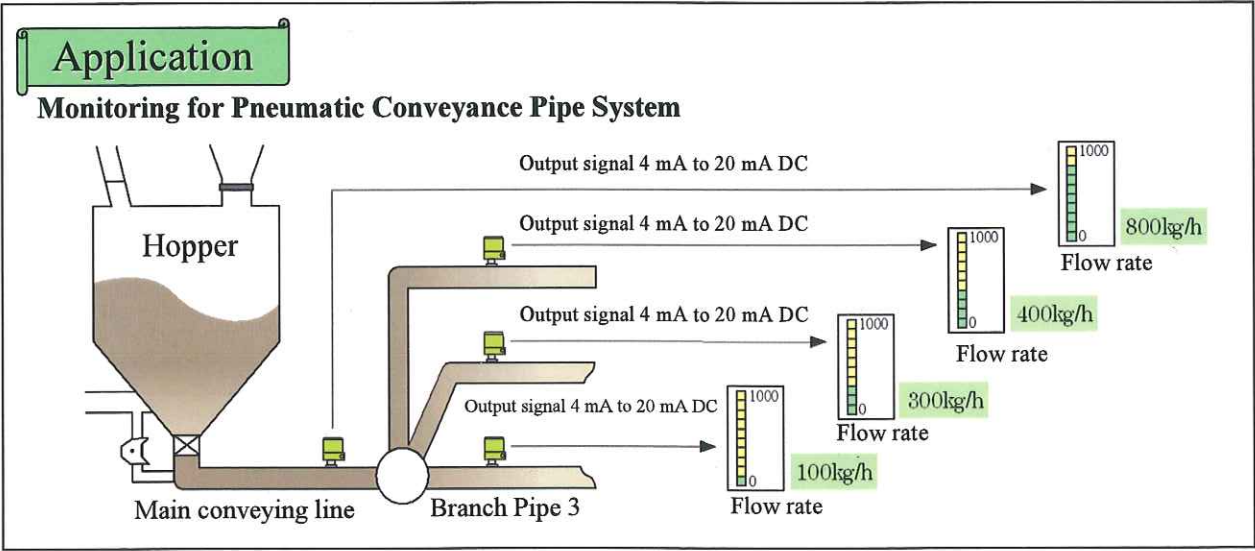
Relative Monitoring Type Powder Flow Sensor

Monitors relative flow rate inside a multi-branched piping system

Monitoring and controlling the balance of flow rates inside powder transporting pipes that branch from the main line are an important issue in plant operations. Conventionally, however, online monitoring of the flow rate has been extremely difficult and expensive. When mounted on each branch pipe with the same settings applied to all units, the Microwave Flow Monitor can inexpensively measure and monitor the flow rate of all the branch pipes.

- ///Ideal for monitoring the transport rate of pulverized fuels to a combustion facility.
- ///Monitors the charging rate into multiple mixing facilities.
- ///It is also possible to monitor the yield rate within a piping system by monitoring the transport total.

- Easily measures and outputs changes in flow rates inside the piping system.
- With use of multiple units, flow rate monitoring is possible for individual pipes.
- The same settings apply to all sensors mounted.
- Since individual flows are monitored, it is possible to monitor the rate even with dozens of branch pipes.
- The use of microwave technology means no projections inside the pipes.
- High accuracy assured as the density level and flow rates are detected by microwave.
- Applicable for pipe diameters up to 600 mm.
- Easily mounted on with a one-inch screw, even an existing pipes.
- Measurement is possible for a variety of powders.

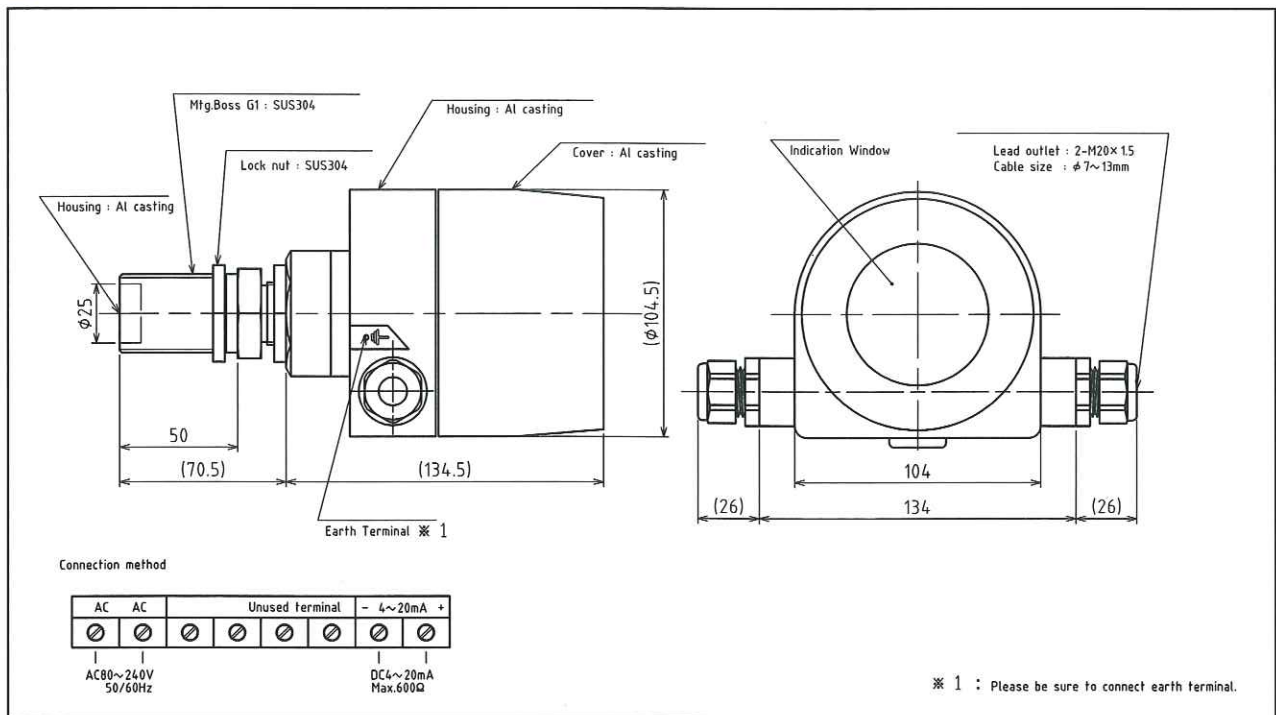


Specifications

Item	Specifications
Model	MWFM-AN-01
Detection Method	Outputs powder flow rate detected by using microwaves based on the Doppler effect.
Frequency	24GHz
Oscillation power	Approx. 6.6 mW or less
Relative rate accuracy (Repeatability)	± 5% (with stable powder property)
Output	Current output 4mA to 20mADC(20tons/h max.) Max. load resistance 600 Ω When a fault occurs Analog output drops to 0mA

Item	Specifications
Power supply	85 VAC to 240 VAC at 50/60Hz
Allowable temperature	-20°C ~ 80°C(measuring objects)
Ambient temperature	-10°C to 55°C
Allowable pressure	Max.0.5MPa
Protection	IP65
Mass	Approx.3kg
Mounting	G1 screw

Dimensions (in mm) and Terminal Connections



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