

Solid Flow Meter In-Line EIP-SLD-FT-550

A flow meter designed to measure the mass flow rate of bulk material.



Integral Transmitter and Sensor with high sensitivity that is not affected by vibration, no dust contamination, high reliability, ensuring long service life

Why EIP-SLD-FT-550

Measures almost any product such as dust, powders or granulates which are being transported in pneumatic conveying systems or by gravity in pipelines can be measured contactless.

Principle

Through the utilisation of electrostatic measurement technology, when airflow containing dust particles moves through a fixed sensor, the sensor collects the weak current produced by the moving dust particles. This current is then transmitted to the transmitter, where it is filtered and amplified before being processed into a standard output value that has a linear relationship with the dust concentration.

Contact Now



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Specifications

Process temperature	0°C~250°C (260°C-800°C can be customized)
Process gas pressure	-0.1Mpa-1Mpa
Process gas flow rate	1m/s-30m/s
Process gas humidity	No condensation, no condensation 90%
Sensor part	
Working temperature	-50°C~260°C (450°C)
Pipeline outer diameter	10mm~600mm
Sensor structure	Unobstructed pipeline type
Applicable particle size range	0.1uM~2000 uM
Transmitter part	
Operating environment humidity	Non-condensing 90%
Operating environment temperature	-40°C~85°C (electronic components)
Operating environment vibration	Maximum continuous oscillation, any direction, an
Operating environment protection	Protection level: IP66/NEMA4 aluminum alloy hou
Transmitter power supply	24V (available in the range of 15V~32V)
Transmitter output	4~20mA isolated output
Response time	1 second
Power consumption	Maximum 3W
Accuracy level	Full scale ±5%
Zero drift	Less than 1%
Full scale drift	Less than 1%
Measurement range	0-20kg/100kg/500kg/20t/100t/h, other specificat