

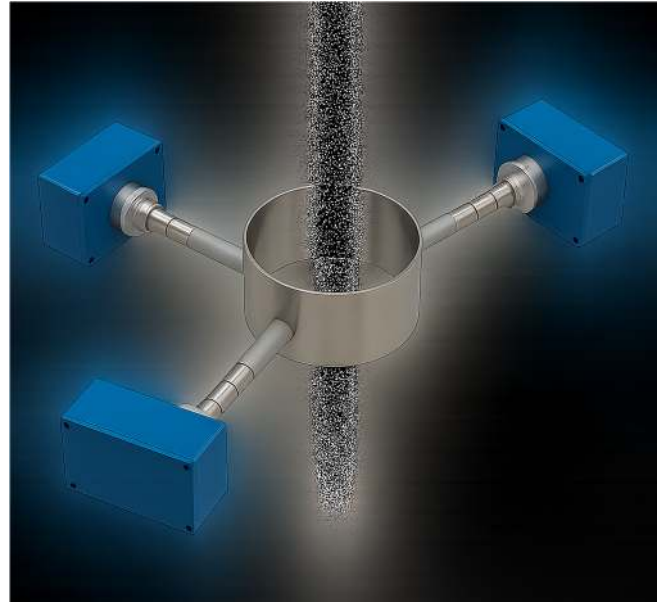
MultiFLOW Meter



Accurate Mass Flowmeter for Solids in Large Pipes or Chutes

- Triple Sensor Input
- Free fall or Dilute-phase pneumatic conveying
- True Mass Flow Output

The **GTS MultiFLOW Meter** system combines the precision of three independently installed **MF METERS** with an intelligent **HMI Controller** to deliver a single, average, and stable **mass flow rate**. Perfect for large chutes or pipe diameters where product distribution is uneven, the MultiFlow Meter ensures unmatched measurement reliability in real-time.



Why Use Three MF METERS?

- **Eliminates Flow Profile Bias:** Product rarely flows uniformly in wide pipes or chutes. Averaging three independent measurements eliminates errors caused by asymmetrical flow.
- **Redundant Measurement:** Ensures continued operation if one sensor fails.
- **Improved Accuracy:** Captures localized variations, delivering a reliable overall mass flow value.

System Components

✓ 3x GTS MF METERS

- Contactless, microwave Doppler-based solids flow measurement
- Works in free fall or dilute-phase pneumatic conveying
- 4–20 mA output for overall mass flow rate

✓ 1x GTS HMI Controller and Xbox Junction

- Touchscreen interface with Real-time calculation of flow rate and totalization
- Allows for easy programming and trending



Benefits

- **Stable Output:** Smooths out process fluctuations using rolling average or weighted input logic.
- **User-Friendly Interface:** View individual meter performance or total flow instantly.
- **Flexible Output:** Delivers averaged 4–20mA or digital signal representing true total flow.

Specifications

MF METER	Microwave Doppler Flowmeter for Bulk Solids
Flow Range	From 1 to 100+ tons/hr
HMI Controller	7" color touchscreen, real-time mass flow measurement
Outputs	4–20mA, relay
Power Supply	110VAC ±10% (Sensors are 24VDC)
Enclosure	NEMA 4X (IP65), aluminum or SS
Calibration	Menu programming via HMI
Temperature	Process: -4°F ... 140°F (Option to 392°F available)
Pressure	< 500 psi
Cable	5 m standard (All 3 sensors connect to the Xbox)
Explosion Proof	General Purpose standard. Option: ATEX II 1/2D Sensors



Contact GTS for application advice

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