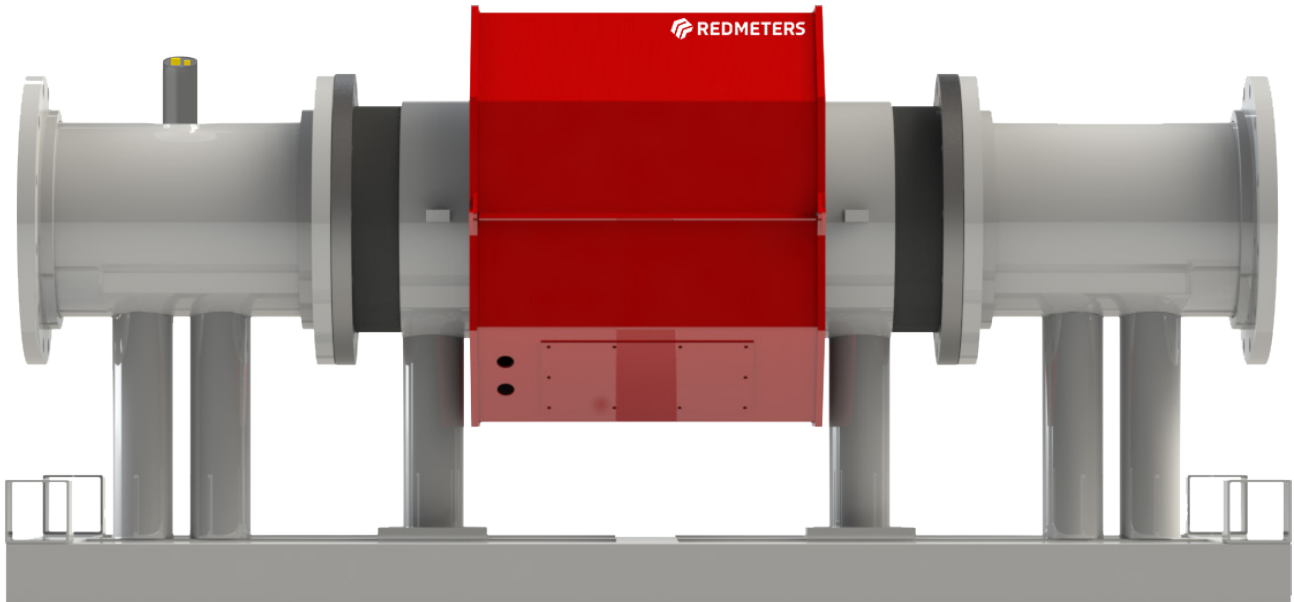

INDUSTRIAL MEASUREMENT SYSTEM

Application Highlights

- Abrasion and Corrosion Resistant
- Will not Intrude upon, Obstruct or Redirect the Flow of Media
- Operates from -10°C to 70°C
- Not Affected by the Conductivity of the Media
- Low Maintenance Costs
- No Special Regulatory Requirements
- No Safety Concerns
- Customizable User Interface

Additional Performance Attributes

- Fully Functional On-Board Computer Ensures Speed, Accuracy and Complex Processing
- Easy “Bolt-In” Installation
- Advanced Machine Learning Enables Continuous Improvement and Highly Accurate, Real Time Process Variable Compensation



Specifications Summary

Display Values	• Density or Specific Gravity (g/cm ³ or kbs/ft ³)
	• Solid Component Content (%)
	• Media Pressure (kPa or psi)
	• *Flow Rate (m ³ /min or yds ³ /min)
	• *Mass Flow (kg/min or lbs/min)
	• *Solids Accumulator (m ³ or yds ³)
	• *Flow Rate vs. SG with Configurable Optimized Range Setting
Internal Pipe Diameters	50mm to 1,524mm (2" to 60")
Accuracy	± 1.00% of Reading; Field Spec
Power In	110 to 240V AC - Internal Conversion to 24 / 12 / 5 VDC
Operating Temperature	-10°C to 70°C; (14°F to 160°F)
Flanged Connections	ASTM, DIN, or BS - As Required or Specified
Measurement Rate	20 Readings per Second
Ambient Sensor Reading	50 Readings per Second
Network Capability	LAN RJ45 100 Mbps; WiFi 2.4/5 GHz
Storage Temperature	-40°C to 80°C; (-40°F to 175°F)
Cartridge Liner Material	Many Options Available - As Required or Specified
Display Format	Selectable Display Options with Histogram and Digital Values
Display Options	User Configurable Display Options
Security	PIN Secured Configuration and Calibration Menus
Customer Support	Full Remote Support System, Process and Expertise on Hand

Operational Considerations

Pressure Reading	±0.05%
Calibration	Factory Calibrated; Field Verification
Maximum Operating Pressure	Up to 300psig/20 bar (With Appropriately Rated Cartridge)
Enclosure	Weather Sealed and Powder Coated Aluminum
Pressure Gauge	International Explosion Protection Certificates, Overfill Prevention WHG, Hygienic Approvals (NSF), Marine Approvals, SIL2/3, Certified to IEC 61508
Rubber Seals	Neoprene 70 Shore A Durometer or EPDM Dense Rubber, 70 Shore A Durometer. Operational Range from -40°F to 212°F; FMVSS 302 Flammability Rated
Engineered Structural Pipe Supports	Painted, Carbon Steel - All Welded Joints. 316 SS Optional

Electrical & Electronics Specifications

Clock	Real Time Clock with Battery Backup - Local Time Display
Internal Laser Source	Class 1 (FDA (CDRH) Part 1040.10)
Inputs	• 2 X Resistance Temperature Detectors (RTD's)
	• 2 X 4-20mA
	• 1 X 0-5VDC
Outputs	• 2 Channel 4-20 mA
	• Modbus TCP
Wiring	Wired to IPC Standards and/or Local Code Requirements

Display / UI Specifications

Display	10.1" Ruggedized Color Touch Display - 1280 x 800 LCD
Configuration	User Configurable Display Options
Security	PIN Secured Configuration and Calibration Menus
Accessibility	Remote Support and Updates