

	INSTRUMENT DATA SHEET	DOCUMENT NO. 100-0109
SAGE PRIME THERMAL MASS FLOW METER	GAS MASS FLOW	SAGE SRP SPECIFICATIONS REMOTE STYLE PRIME INSERTION MASS FLOW METER

GENERAL INFORMATION

STYLE:	Remote Insertion Mass Flow Meter
SENSOR:	Two reference grade platinum RTD clad in 316SS sheath
MATERIAL:	Wetted metal components: 316SS
POWER:	24VDC Standard (12VDC or 115/230VAC optional)
POWER DISSIPATION:	<2.5 w
ELECTRONICS:	Remote-Style Microprocessor based
PROBE ENCLOSURE:	Junction Box is Explosion Proof, Class 1, Div 1 & 2, Group B, C, D (no electronics)
TRANSMITTER ENCLOSURE:	Remote mount, NEMA 4 enclosure
DISPLAY:	High contrast photo-emissive OLED graphical display (Flow rate, Totalizer, Temperature)
TURNDOWN:	100 to 1
RESOLUTION:	1000 to 1
LOW END SENSITIVITY:	5 SFPM
FIELD CALIBRATION CHECK:	Yes - Digital system allows raw signal validation (milli-watts)
COMMUNICATIONS:	Modbus® compliant RS485 RTU communications
APPROVALS:	CSA C22.2 (24 VDC); ULI604, Class I, Div 2, Grps B, C, D T4 (24VDC); CE (AC Power or 24VDC) ATEX: Ex, nA IIC T4X (24VDC model only)
FIELD RECONFIGURABLE:	Yes - Sage ADDRESSER or Sage DONGLE
FLOW ACCURACY:	+/- 0.5% of Full Scale +/- 1% of reading
FLOW REPEATABILITY:	0.2%
RESPONSE TIME:	1 second
GAS TEMPERATURE RANGE:	-40° TO 200°F STD (if higher temperature needed, contact Sage)
GAS PRESSURE:	500 PSIG (if higher pressure needed, contact Sage)
FLOW OUTPUT:	4 to 20 mA for Rate; 24VDC pulse for Totalized value
TEMPERATURE OUTPUT:	Through Modbus® only
AMBIENT TEMPERATURE:	-4° F TO 150° F
PROBE STYLE / LENGTH:	1/2" OD Probe (3/4" optional) Lengths 6" to 36"
RELAYS:	N/A
CABLE LENGTH:	25' Standard (max length 1000')
FLOW CONDITIONING:	Captive Flow Conditioners available upon request with meter purchase

Make the Wise Choice. Choose Sage Flow Meters.

