

	<b>INSTRUMENT DATA SHEET</b>	<b>DOCUMENT NO. 100-0110</b>
<b>SAGE PRIME THERMAL MASS FLOW METER</b>	<b>GAS MASS FLOW</b>	<b>SAGE SRP SPECIFICATIONS REMOTE STYLE PRIME IN-LINE MASS FLOW METER</b>

**GENERAL INFORMATION**

<b>STYLE:</b>	Remote In-Line Mass Flow Meter
<b>SENSOR:</b>	Two reference grade platinum RTD clad in 316SS sheath
<b>MATERIAL:</b>	Wetted metal components: 316SS
<b>POWER:</b>	24VDC Standard (12VDC or 115/230VAC optional)
<b>POWER DISSIPATION:</b>	<2.5 w
<b>ELECTRONICS:</b>	Remote-Style Microprocessor based
<b>PROBE ENCLOSURE:</b>	Junction Box is Explosion Proof, Class 1, Div 1 & 2, Group B, C, D (no electronics)
<b>TRANSMITTER ENCLOSURE:</b>	Remote mount, NEMA 4 enclosure
<b>DISPLAY:</b>	High contrast photo-emissive OLED graphical display (Flow rate, Totalizer, Temperature)
<b>TURNDOWN:</b>	100 to 1
<b>RESOLUTION:</b>	1000 to 1
<b>LOW END SENSITIVITY:</b>	5 SFPM
<b>FIELD CALIBRATION CHECK:</b>	Yes - Digital system allows raw signal validation (milli-watts)
<b>COMMUNICATIONS:</b>	Modbus® compliant RS485 RTU communications
<b>APPROVALS:</b>	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)
<b>FIELD RECONFIGURABLE:</b>	Yes - Sage ADDRESSER or Sage DONGLE
<b>FLOW ACCURACY:</b>	+/- 0.5% of Full Scale +/- 1% of reading
<b>FLOW REPEATABILITY:</b>	0.2%
<b>RESPONSE TIME:</b>	1 second
<b>GAS TEMPERATURE RANGE:</b>	-40° TO 200°F STD (if higher temperature needed, contact Sage)
<b>GAS PRESSURE:</b>	500 PSIG (if higher pressure needed, contact Sage)
<b>FLOW OUTPUT:</b>	4 to 20 mA for Rate; 24VDC pulse for Totalized value
<b>TEMPERATURE OUTPUT:</b>	Through Modbus® only
<b>AMBIENT TEMPERATURE:</b>	-4° F TO 150°F
<b>FLOW BODY:</b>	316SS Schedule 40 Flow Bodies sized from 1/4" x 6" long to 4" x 12" long. Male NPT ends standard (Flanges and other options available)
<b>CABLE LENGTH:</b>	25' Standard (max length 1000')
<b>RELAYS:</b>	N/A
<b>FLOW CONDITIONING:</b>	Flow Conditioners are built in to In-Line Style Flow Bodies from 1/2" to 4"

**Make the Wise Choice. Choose Sage Flow Meters.**

