

	<b>INSTRUMENT DATA SHEET</b>	DOCUMENT NO. 100-0331 Rev. 2
<b>SAGE 200 SERIES THERMAL MASS FLOW METER</b>	<b>GAS MASS FLOW</b>	<b>SAGE 200 SERIES SPECIFICATIONS REMOTE STYLE INSERTION MASS FLOW METER</b>

**GENERAL INFORMATION**

<b>STYLE:</b>	Remote Insertion Mass Flow Meter
<b>SENSOR:</b>	Two reference grade platinum RTD clad in 316SS sheath or Hastelloy C276
<b>MATERIAL:</b>	Wetted metal components: 316SS or Hastelloy C276
<b>POWER:</b>	24VDC Standard (90-265VAC optional)
<b>POWER DISSIPATION:</b>	<2.5 W
<b>ELECTRONICS:</b>	Microprocessor based (Hybrid-Digital)
<b>REMOTE ENCLOSURE:</b>	Remote Junction Box is Explosion Proof, Class I, Div. 1, Groups B, C, D (no electronics)
<b>ELECTRONICS ENCLOSURE:</b>	NEMA 4 enclosure
<b>DISPLAY:</b>	Flow Rate, Totalizer & Temperature (optional).
<b>TURNDOWN:</b>	100 to 1
<b>RESOLUTION:</b>	1000 to 1
<b>LOW END SENSITIVITY:</b>	5 SFPM
<b>COMMUNICATIONS:</b>	Modbus® compliant RS485 RTU
<b>APPROVALS:</b>	Class I, Div 2, Groups B, C, D T4 (24VDC) ANSI/ISA 12.12.01, CSA C22.2; CE (AC Power or 24VDC)
<b>FIELD RECONFIGURABLE:</b>	Sage ADDRESSER or Modbus required
<b>FLOW ACCURACY:</b>	+/- 0.5% of Full Scale +/- 1% of reading
<b>FLOW REPEATABILITY:</b>	0.2%
<b>RESPONSE TIME:</b>	1 second time constant
<b>GAS TEMPERATURE RANGE:</b>	Standard -40° to 200°F (93°C), Optional to 300°F (149°C) and 450°F (232°C)
<b>GAS PRESSURE:</b>	500 PSIG (If higher pressure needed, contact Sage)
<b>FLOW OUTPUT:</b>	4 to 20 mA for Rate
<b>TOTALIZER:</b>	24VDC pulse for Totalized value
<b>TEMPERATURE OUTPUT:</b>	Through Modbus® only
<b>AMBIENT TEMPERATURE:</b>	-40°F to 150°F (66°C)
<b>PROBE STYLE / LENGTH:</b>	1/2" OD Probe (3/4" optional) Lengths 6" to 36"
<b>RELAYS:</b>	N/A
<b>CABLE LENGTH:</b>	25' Standard (max length 1000') lead length compensation is standard
<b>FLOW CONDITIONING:</b>	Captive Flow Conditioners available upon request with meter purchase
<b>TRANSMITTER ENCL DEPTH:</b>	DC: 4.35" ; AC: 5.35"

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

