

	INSTRUMENT DATA SHEET	DOCUMENT NO. 100-0120
SAGE GENERAL PURPOSE THERMAL MASS FLOW METER	GAS MASS FLOW	SAGE SIG SPECIFICATIONS INTEGRAL STYLE GENERAL PURPOSE INSERTION MASS FLOW METER

GENERAL INFORMATION

STYLE:	Integral Insertion Mass Flow Meter
SENSOR:	Two reference grade platinum RTD clad in 316SS sheath
MATERIAL:	Wetted metal components: 316SS
POWER:	24VDC Standard (115/230VAC optional)
POWER DISSIPATION:	<8 w
ELECTRONICS:	Microprocessor based
ELECTRONICS ENCLOSURE:	Integral mount, weathertight NEMA 4X enclosure
DISPLAY:	Two line, backlit display with keypad (Flow Rate, Totalized Flow, Temperature displayed)
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:	RS232 Communication and Menuing Software (Sage VI_Terminal)
APPROVALS:	No Approvals (only Insertion Style Remote approved [SRG] with 24 VDC Power)
FIELD RECONFIGURABLE:	Optionally available with up to four independent calibrations (Channels A-D)
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 (via Relay contacts)
TEMPERATURE OUTPUT:	4 to 20 mA (separate Output)
AMBIENT TEMPERATURE:	-4° F TO 150°F
PROBE STYLE / LENGTH:	1/2" OD Probe (3/4" optional) Lengths 6" to 36"
RELAYS:	Two: Pulsed outputs of Totalized Flow; Alarms (Trip High/Trip Low)
FLOW CONDITIONING:	Captive Flow Conditioners available upon request with meter purchase

Make the Wise Choice. Choose Sage Flow Meters.

