

	INSTRUMENT DATA SHEET	DOCUMENT NO. 100-0119 Rev. 7
SAGE EXPLOSION PROOF THERMAL MASS FLOW METER	GAS MASS FLOW	SAGE SRE SPECIFICATIONS REMOTE STYLE EXPLOSION PROOF IN-LINE MASS FLOW METER

GENERAL INFORMATION

STYLE:	Remote In-Line 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:	<6 w
ELECTRONICS:	Remote-Style Microprocessor based
ELECTRONICS ENCLOSURE:	Junction Box is Explosion Proof, Class 1, Div 1 & 2, Group B, C, D (no electronics)
TRANSMITTER ENCLOSURE:	Remote mount, Explosion Proof, Class 1, Div 1, Groups B, C, D, NEMA 4X
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:	Insertion: CSA approved for Class I, Div 1, Groups B, C, & D. (Tested & approved to CSA C22.2 No 30 & CSA C22.2 No. 142) DC Meters have a T3C Rating. AC Powered meters, have a T2 Rating
FIELD RECONFIGURABLE:	Optionally available with up to four independent calibrations (Channels A-D)
FLOW ACCURACY:	+/- 0.5% of Full Scale +/- 1% of reading (Enhanced accuracy optionally available with limited turn-down)
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 (if Flow Output disabled)
AMBIENT TEMPERATURE:	-4° F TO 150° F
FLOW BODY:	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)
RELAYS:	One: Pulsed outputs of Totalized Flow; Alarms (Trip High/Trip Low)
CABLE LENGTH:	25' Standard (max length 1000')
FLOW CONDITIONING:	Captive Flow Conditioners are built in to In-Line Style Flow Bodies from 1/2" to 4"
MULTIPLE CALIBRATIONS:	Yes. Up to four independent Calibrations (Channels A-D)

Make the Wise Choice. Choose Sage Flow Meters.

