



INSTRUMENT DATA SHEET

DOCUMENT NO. 100-0143 Rev. 3

**SAGE CLEAR
THERMAL MASS FLOW
METER**

GAS MASS FLOW

**SAGE SRA SPECIFICATIONS
REMOTE STYLE CLEAR
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:	<2.5 w
ELECTRONICS:	Remote-Style Microprocessor based
ELECTRONICS ENCLOSURE:	Junction Box is indoor/outdoor enclosure (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:	Optional Modbus® communications (specify MODBUS*)
APPROVALS:	N/A
FIELD RECONFIGURABLE:	Optional Reconfigurability (specify CLEARCOM*)
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:	N/A
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)
CABLE LENGTH:	25' Standard (max length 1000')
RELAYS:	N/A
FLOW CONDITIONING:	Flow Conditioners are built in to In-Line Style Flow Bodies from 1/2" to 4"
NOTES:	* ADDRESSER software required with MODBUS or CLEARCOM options

Make the Wise Choice. Choose Sage Flow Meters.

