



INSTRUMENT DATA SHEET

DOCUMENT NO. 100-0140 Rev. 3

**SAGE CLEAR
THERMAL MASS FLOW
METER**

GAS MASS FLOW

**SAGE SIA SPECIFICATIONS
INTEGRAL STYLE CLEAR
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: | <2.5 w |
| ELECTRONICS: | Microprocessor based |
| ELECTRONICS ENCLOSURE: | Integral 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 |
| PROBE STYLE / LENGTH: | 1/2" OD Probe, Lengths 6" to 24" |
| RELAYS: | N/A |
| FLOW CONDITIONING: | Captive Flow Conditioners available upon request with meter purchase |
| NOTES: | * ADDRESSER software required with MODBUS or CLEARCOM options |

Make the Wise Choice. Choose Sage Flow Meters.

