



INSTRUMENT DATA SHEET

DOCUMENT NO. 100-0149 Rev. 8

**SAGE PRISM
THERMAL MASS FLOW
METER**

GAS MASS FLOW

**SAGE SCD SPECIFICATIONS
CABLED STYLE PRISM
INSERTION DATALOGGING MASS FLOW METER**

GENERAL INFORMATION

STYLE:	Cabled Portable Datalogging Mass Flow Meter (2 foot coiled cable stretches to 10 feet)
SENSOR:	Two reference grade platinum RTD clad in 316SS sheath
MATERIAL:	Wetted metal components: 316SS
POWER:	Rechargeable Lithium-ion battery provides 8-10 hours operation. Continuous operation using 12VDC power adapter
POWER DISSIPATION:	<2.5 w
ELECTRONICS:	Microprocessor based
ELECTRONICS ENCLOSURE:	Molded enclosure cabled to a handheld probe (2 ft. coil extends to 10 ft.)
DISPLAY TYPE:	High contrast graphical display (organic LED):
DISPLAY CONTENT:	Flow rate, Temperature, Time & Date Stamps, Log#, Channel, Tag ID, Battery strength and Sample mode
CALIBRATIONS:	Up to 16 different calibrations or configurations (Channels A-P)
FIELD RECONFIGURABLE:	12 channels user configurable. Sage Prism Configuration Software (SPCS) included.
TURNDOWN:	100 to 1
RESOLUTION:	1000 to 1
LOW END SENSITIVITY:	5 SFPM
FIELD CALIBRATION CHECK:	12 channels user configurable. Sage Prism Configuration Software (SPCS) included
COMMUNICATIONS:	Via USB to a .CSV format (Excel® file)
FLOW ACCURACY:	+/- 0.5% of Full Scale +/- 1% of rdg for each of the original four factory defined channels ¹
FLOW REPEATABILITY:	0.2%
RESPONSE TIME:	1 second time constant
GAS TEMPERATURE RANGE:	-40° to 200°F (93°C)
GAS PRESSURE:	250 PSIG
FLOW OUTPUT:	Via USB to a .CSV format (Excel® file)
TEMPERATURE OUTPUT:	Via USB to a .CSV format (Excel® file)
AMBIENT TEMPERATURE:	-40° to 125°F (52°C)
PROBE STYLE / LENGTH:	1/2" OD with 18" probe standard
DATA STORAGE:	130,000 data points
DATA TRANSFERRED:	LOG#, TAG ID, Date Stamp, Time Stamp, Flow, Temperature
CARRYING CASE:	Included
COMPRESSION FITTING:	STCF05 Included

¹Customer generated channels may have lower accuracy

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

