



SAGE GAS MASS FLOW METERS FOR INDUSTRY



Sage Thermal Mass Gas Flow Meters

Industrial		Heavy Industrial		General Purpose		General Purpose Blind	
SIP	SRP	SIE	SRE	SIG	SRG	SIL	SRL
<p>All products have rangeability as high as 1000 to 1, have extreme sensitivity (can measure as low as 10 SFPM or less), and are virtually unaffected by process temperature or pressure variations. The flow meters are dirt insensitive, have negligible pressure drop, and have no moving parts, assuring long term stability and sustained performance</p>							
Integral Windowed Explosion Proof Enclosure - Dual Compartment with separate terminal access	Remote Windowed Explosion Proof Enclosure - Dual Compartment with separate terminal access, and Explosion Proof Junction Box	Heavy Industrial Windowed Explosion Proof Dual Compartment	Remote Heavy Industrial Windowed Explosion Proof - Dual Compartment, and Explosion Proof Junction Box	Windowed Nema 4X Enclosure	Remote Windowed Nema 4X Enclosure with Explosion Proof Junction Box	Blind Nema 4X Enclosure	Blind Remote Nema 4X Enclosure with Explosion Proof Junction Box
Integral	Remote enclosure is Lead-Length compensated up to 1000 feet (25 feet supplied)	Integral	Remote enclosure is Lead-Length compensated up to 1000 feet (25 feet supplied)	Integral	Remote enclosure is Lead-Length compensated up to 1000 feet (25 feet supplied)	Integral	Remote enclosure is Lead-Length compensated up to 1000 feet (25 feet supplied)
24 VDC (15 VDC optional) with current dissipation of less than 100 ma, or 115VAC/230 VAC	24 VDC (15 VDC optional) with current dissipation of less than 100 ma, or 115VAC/230 VAC	24 VDC with current dissipation of less than 250 ma, or 115VAC/230 VAC	24 VDC with current dissipation of less than 250 ma, or 115VAC/230 VAC	24 VDC with current dissipation of less than 350 ma with backlight on (less than 250 ma with backlight off), or 115VAC/230 VAC	24 VDC with current dissipation of less than 350 ma with backlight on (less than 250 ma with backlight off), or 115VAC/230 VAC	24 VDC with current dissipation of less than 250 ma, or 115VAC/230 VAC	24 VDC with current dissipation of less than 250 ma, or 115VAC/230 VAC
Very High Contrast Photo-emissive OLED Display	Very High Contrast Photo-emissive OLED Display	2-Line Backlit LCD Display and 4 Button Menuing Keypad	2-Line Backlit LCD Display and 4 Button Menuing Keypad	2-Line Backlit Touch Screen Display and 4 Button Menuing Keypad	2-Line Backlit Touch Screen Display and 4 Button Menuing Keypad	No Display	No Display
Displays numerical and graphical Flowrate, Totalized Flow and Temperature as well as Calibration milliwatts (mw) for ongoing diagnostics	Displays numerical and graphical Flowrate, Totalized Flow and Temperature as well as Calibration milliwatts (mw) for ongoing diagnostics	Displays Flowrate, Totalized Flow and Temperature	Displays Flowrate, Totalized Flow and Temperature	Displays Flowrate, Totalized Flow and Temperature	Displays Flowrate, Totalized Flow and Temperature	No Display	No Display
4-20 ma (ground based) output of Flow Rate and Pulsed Outputs of Totalized Flow (24 VDC Solid State Transistor Drive)	4-20 ma (ground based) output of Flow Rate and Pulsed Outputs of Totalized Flow (24 VDC Solid State Transistor Drive)	4-20 ma isolated output of Flow Rate. (optionally configurable for Temperature)	4-20 ma isolated output of Flow Rate. (optionally configurable for Temperature)	4-20 ma isolated output of Flow Rate, and 4-20 ma Flow Rate of Temperature	4-20 ma isolated output of Flow Rate, and 4-20 ma Flow Rate of Temperature	4-20 ma isolated output of Flow Rate, and 0 - 5 VDC output of Temperature	4-20 ma isolated output of Flow Rate, and 0 - 5 VDC output of Temperature

SIP	SRP	SIE	SRE	SIG	SRG	SIL	SRL
Pulsed Outputs of Totalized Flow (24 VDC Solid State Transistor Drive)	Pulsed Outputs of Totalized Flow (24 VDC Solid State Transistor Drive)	One dry contact Relay suitable for Pulsed Outputs of Totalized Flow or configurable to Trip High or Trip Low	One dry contact Relay suitable for Pulsed Outputs of Totalized Flow or configurable to Trip High or Trip Low	Two dry contact Relays suitable for Pulsed Outputs of Totalized Flow or configurable to Trip High or Trip Low	Two dry contact Relays suitable for Pulsed Outputs of Totalized Flow or configurable to Trip High or Trip Low	Configurable for Pulsed Outputs of Totalized Flow (in lieu of Flow Rate and Temperature)	Configurable for Pulsed Outputs of Totalized Flow (in lieu of Flow Rate and Temperature)
Modbus Compliant RS485 RTU communications	Modbus Compliant RS485 RTU communications	RS232 Communication and Menuing Software (Sage VIP)	RS232 Communication and Menuing Software (Sage VIP)	RS232 Communication and Menuing Software (Sage VIP)	RS232 Communication and Menuing Software (Sage VIP)	RS232 Communication and Software (upon request)	RS232 Communication and Software (upon request)
Single Channel Operation	Single Channel Operation	Optionally available with up to four totally independent calibrations (Channels A through D). Meter can be calibrated with four different gases, four different configurations, or even four different sensitivities, or any combination of the above.	Optionally available with up to four totally independent calibrations (Channels A through D). Meter can be calibrated with four different gases, four different configurations, or even four different sensitivities, or any combination of the above.	Optionally available with up to four totally independent calibrations (Channels A through D). Meter can be calibrated with four different gases, four different configurations, or even four different sensitivities, or any combination of the above.	Optionally available with up to four totally independent calibrations (Channels A through D). Meter can be calibrated with four different gases, four different configurations, or even four different sensitivities, or any combination of the above.	Single Channel Operation	Single Channel Operation
Accuracy of +/- 1% of Reading +/- 0.5% of Full Scale	Accuracy of +/- 1% of Reading +/- 0.5% of Full Scale	Accuracy of +/- 1% of Reading +/- 0.5% of Full Scale per Channel	Accuracy of +/- 1% of Reading +/- 0.5% of Full Scale per Channel	Accuracy of +/- 1% of Reading +/- 0.5% of Full Scale per Channel	Accuracy of +/- 1% of Reading +/- 0.5% of Full Scale per Channel	Accuracy of +/- 1% of Reading +/- 0.5% of Full Scale	Accuracy of +/- 1% of Reading +/- 0.5% of Full Scale
Zero Calibration Self Check Diagnostics	Zero Calibration Self Check Diagnostics	Zero Calibration Self Check Diagnostics	Zero Calibration Self Check Diagnostics	Zero Calibration Self Check Diagnostics	Zero Calibration Self Check Diagnostics	Optional Diagnostics	Optional Diagnostics
Common Units of Flow Measurement: SCFM, SCFH, SCCM, NCMM, NCMH, KG/S, KG/M, KG/H, LBS/S, LBS/M, LBS/H, SLPM, SLPH	Common Units of Flow Measurement: SCFM, SCFH, SCCM, NCMM, NCMH, KG/S, KG/M, KG/H, LBS/S, LBS/M, LBS/H, SLPM, SLPH	Common Units of Flow Measurement: SCFM, SCFH, SCFD, SCCM, NCMM, NCMH, KG/S, KG/M, KG/H, KG/D, LBS/S, LBS/M, LBS/H, LBS/D, SLPM, SLPH	Common Units of Flow Measurement: SCFM, SCFH, SCFD, SCCM, NCMM, NCMH, KG/S, KG/M, KG/H, KG/D, LBS/S, LBS/M, LBS/H, LBS/D, SLPM, SLPH	Common Units of Flow Measurement: SCFM, SCFH, SCFD, SCCM, NCMM, NCMH, KG/S, KG/M, KG/H, KG/D, LBS/S, LBS/M, LBS/H, LBS/D, SLPM, SLPH	Common Units of Flow Measurement: SCFM, SCFH, SCFD, SCCM, NCMM, NCMH, KG/S, KG/M, KG/H, KG/D, LBS/S, LBS/M, LBS/H, LBS/D, SLPM, SLPH	Common Units of Flow Outputs (Not Displayed): SCFM, SCFH, SCFD, SCCM, NCMM, NCMH, KG/S, KG/M, KG/H, KG/D, LBS/S, LBS/M, LBS/H, LBS/D, SLPM, SLPH	Common Units of Flow Outputs (Not Displayed): SCFM, SCFH, SCFD, SCCM, NCMM, NCMH, KG/S, KG/M, KG/H, KG/D, LBS/S, LBS/M, LBS/H, LBS/D, SLPM, SLPH
Common Units of Totalized Flow: SCF, SCF, SCC, NCM, KG, LBS, SL	Common Units of Totalized Flow: SCF, SCF, SCC, NCM, KG, LBS, SL	Common Units of Totalized Flow: SCF, SCF, SCC, NCM, KG, LBS, SL	Common Units of Totalized Flow: SCF, SCF, SCC, NCM, KG, LBS, SL	Common Units of Totalized Flow: SCF, SCF, SCC, NCM, KG, LBS, SL	Common Units of Totalized Flow: SCF, SCF, SCC, NCM, KG, LBS, SL	Common Pulsed Outputs of Totalized Flow: SCF, SCF, SCC, NCM, KG, LBS, SL	Common Pulsed Outputs of Totalized Flow: SCF, SCF, SCC, NCM, KG, LBS, SL
Common Units of Velocity: SFPM, SFPS, NMPM, NMPS, NMPH	Common Units of Velocity: SFPM, SFPS, NMPM, NMPS, NMPH	Common Units of Velocity: SFPM, SFPS, NMPM, NMPS, NMPH	Common Units of Velocity: SFPM, SFPS, NMPM, NMPS, NMPH	Common Units of Velocity: SFPM, SFPS, NMPM, NMPS, NMPH	Common Units of Velocity: SFPM, SFPS, NMPM, NMPS, NMPH	Common Units of Velocity Outputs (Not Displayed): SFPM, SFPS, NMPM, NMPS, NMPH	Common Units of Velocity Outputs (Not Displayed): SFPM, SFPS, NMPM, NMPS, NMPH
Temperature Units: °C and °F	Temperature Units: °C and °F	Temperature Units: °C and °F	Temperature Units: °C and °F	Temperature Units: °C and °F	Temperature Units: °C and °F	Temperature Outputs (Not Displayed): °C and °F	Temperature Outputs (Not Displayed): °C and °F
NA	NA	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) Meters have a T3C Rating. AC Powered meters, have a T2 Rating	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) Meters have a T3C Rating. AC Powered meters, have a T2 Rating	NA	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) Meters have a T3C Rating. AC Powered meters, have a T2 Rating	NA	NA