

## TECHNICAL DATASHEET

### MECHANICAL

Standard Service	Oil / Gas / Water
Overall Height	7.3" (185 mm)
Overall Width	4.0" (102 mm)
Approximate Weight	4.5 lb (2.0 kg)
Enclosure Material	Low Copper Aluminum Alloy
Pressure Sensor	316L or 718 Stainless Steel
Pressure Housing	2205 or 718 Stainless Steel
Pressure Inlet Type	HF6 (3/8" high pressure tube fitting)
Process Inlet Adapter	1/2" NPT (or as required)

### MEASUREMENT

Memory Capacity	16 Million Samples
Sample Rate	1 Second to 18 Hours
Sensor Type	Piezo-Resistive Silicon
	<b>Pressure</b> <b>Temperature</b>
Accuracy	± 0.05 %FS ± 0.54°F (0.3°C)
Resolution	± 0.0003 %FS ± 0.018°F (0.01°C)
Drift / Year	< 2.9 psi (20 kPa) < 0.18°F (0.1°C)

### PRESSURE RANGES

	<b>Pressure</b>	<b>Process &amp; Ambient Temperature</b>
PSG-2-03K	3,000 psi (20.6 MPa)	-22 to 185°F (-30 to 80°C)
PSG-2-06K	6,000 psi (41.4 MPa)	-22 to 185°F (-30 to 80°C)
PSG-2-10K	10,000 psi (69 MPa)	-22 to 185°F (-30 to 80°C)

### POWER SUPPLY

Cell Type	<b>Lithium Metal</b>	<b>Alkaline</b>
Manufacturer	Saft	Duracell
Manufacturer Part #	LS33600	MN1300
Voltage	3.67 V	1.5 V
Battery Life <sup>(1)</sup>	6 to 8 Months	3 to 5 Months
Dangerous Goods	Yes (UN3091, Class 9)	No
Min Operating Temp	-40°F (-40°C)	0°F (-18°C)
Max Operating Temp	185°F (85°C)	130°F (55°C)

(1) Estimation based on range of normal use.

### COMMUNICATION

USB	Yes	MS Windows XP and later
Bluetooth	Yes	Up to 5 meters (SWRM / Android), 30 meters (Windows)
Cellular (GSM)	No	This feature is only available in PSG-2 models
GPS	No	This feature is only available in PSG-3 models

### CERTIFICATIONS and STANDARDS

North America Divisions	CLASS I DIVISION 1, GROUPS C & D, T5
North America Zones	CLASS I ZONE 1, GROUP IIB, T5
Conforms to Standards	UL 61010 and UL 1203
Certified to	CAN/CSA C22.2 No. 61010
Certified to	CAN/CSA C22.2 No. 30
European Conformity	CE0359
Explosion Proof Marking	Ex II 2G
ATEX Marking	Ex d IIB T5 Gb IP66



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