

TECHNICAL DATASHEET

MECHANICAL

| | |
|-----------------------|---------------------------------------|
| Standard Service | Oil / Gas / Water |
| Overall Height | 13.0" (330 mm) |
| Overall Width | 4.0" (102 mm) |
| Approximate Weight | 5.5 lb (2.5 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 |
| | Pressure Temperature |
| 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

| | Pressure | Process & Ambient Temperature |
|-----------|----------------------|-------------------------------|
| 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 | Lithium Metal | Alkaline |
|-----------------------------|-----------------------|---------------|
| Manufacturer | Saft | Duracell |
| Manufacturer Part # | LS33600 | MN1300 |
| Voltage | 3.67 V | 1.5 V |
| Battery Life ⁽¹⁾ | 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 (PSG-1E / Win) |
| Cellular (GSM) | Yes | SIM card not included |
| 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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