

**SurfGauge Series**  
**Memory Pressure-Temperature Sensor**  
**(For Surface Applications)**



### Technical Specifications

Part Number	50073, 50075 and 50077
Transducer Type	Piezo Resistive (Silicon on Sapphire)
Pressure Range	3000, 10000 and 15000 (207, 690 and 1040 bar)
Absolute Accuracy	0.05% F.S. (Long Term)
Resolution (Pressure)	0.03 psi (0.002 bar) –typ. 0.02 psi-
Temperature Error	<max. 2 °C (Full Scale)
Resolution (Temperature)	0.005 °C
Operating Temperature	-20 to 85 °C
Memory Capacity	860.000 Datasets (1,720,000 optional)
Online Data logging	Yes (only on Wireless version)
Wireless Range	>50 meters (line of sight)
Battery	1 C Cell de Lithium (3.6 Volt)
Battery Life	Program Dependant (typical 8,000 hs when 10 sec sampling used without wireless interface)
Program	1 to 20 steps (overrun feature)
Sampling Timer	1 sec to 18 hr
Interval/Delay Time	1 min a 45 days
Classification	Ex Ia IIC T4 Ga (INTI-CITEI 2013 I514X – 01-15-2013)

### Mechanical Specifications

WH Connection	½” NPT (Autoclave M-250-C Optional)
O.D.	36 mm
Length	225 mm (Over Pressure Port)
Hosing H2S Resistant	Yes
Wet part H2S Resistant	Yes (316L or Hastelloy C)
Communication	USB Interface or Wireless with <b>SurfReader</b> ®
Software	Windows 98/2000/XP/Seven