

# BH93-I Series



## Applications

OEM equipment  
Refrigeration  
Level controls  
HVAC  
Fluids and gas measurement  
Water Management

## Environmental Data

Temperature Ranges  
Compensated: 0°C to 70°C  
Operating: - 20°C to 85°C  
Storage: - 40°C to 125°C

## Specifications

### Performance@25°C (77°)

Accuracy: 1.0%BFSL (optional 0.5%,0.2% and 0.1%)  
Stability: <0.2%FS/year, typical  
Over pressure protection: 2 x Rated Pressure  
Burst Pressure: 2.5 x mini  
Pressure Cycles: > 50 Million

### Electrical Data

#### Excitation:

9-29 Vdc for 4-20mA  
10Vdc for mV/V output  
Electrical Rating: IEC Ex ia IIC T5  
Loop resistance@24 Vdc: 500 Ohm  
Zero offset:<±1% of FS  
Span tolerance:<±1% of FS

### Output\*

4-20 mA; 10 Vdc(10mV/V ratio metric); 1-5 Vdc;0.5-4.5 Vdc  
\*Consult with factory for other output options

### Physical Data:

Sensor wetted material: 316L SS  
Body material: 316L SS  
Cable pull strength: 200 lb.  
Pressure connection \*:  
\* See below pressure connection  
Electrical Connection\*: Cable, DIN  
\*Consult with factory for other connection options

## Ordering Information/ Part # Description



### Sensor Type

G = Gauge  
A = Absolute  
S = Sealed Gauge

### Pressure Connection \*

1=1/4" – 18 mnpt  
2=1/2" – 14 mnpt  
3=1/2" – 14 mnpt - flush mount  
4=7/16 – 20 UNF 3A  
\* =Consult factory for other options

### Electrical Connection

1= 1 m jacketed cable\*  
2= Mini Din 43650\*\*  
\* Consult/factory for other length options  
\*\* Consult factory for other options

### Output

045=0.5 - 4.5 Vdc  
100=10mV/Vdc  
150=1 - 5 Vdc  
420=4 - 20 mA

### Pressure Range(psi\*)

001= 0 - 1 psid, G, A	100= 0 - 100 psid, G, A
005= 0 - 5 psid G, A	300= 0 - 300 psid, G, A
010= 0 - 10 psid G, A	500= 0 - 500 psid, G, A
015= 0 - 15 psid G, A	1000= 0 - 1000 psid, G, A
030= 0 - 30 psid G, A	3000= 0 - 3000 psid, G, A
050= 0 - 50 psid G, A	5000= 0 - 5000 psid, G, A