

BH93-D Series



Applications

OEM equipment
Refrigeration
Off Road
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

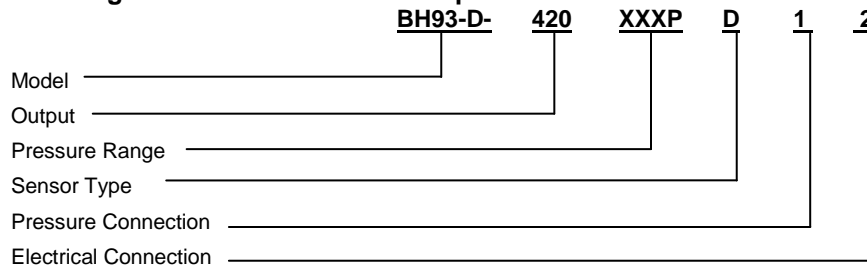
Output*:

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

D= Differential

Pressure Connection*

1=1/4" – 18 mnpt
2=1/2" – 14 mnpt
3=7/16 – 20 UNF 3A
* =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	050= 0 – 50 psid
005= 0 - 5 psid	100= 0 - 100 psid
010= 0 - 10 psid	300= 0 - 300 psid
015= 0 - 15 psid	500= 0 - 500 psid
030= 0 - 30 psid	1000= 0 - 1000 psid

Electrical Connection

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