

BH93-S 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

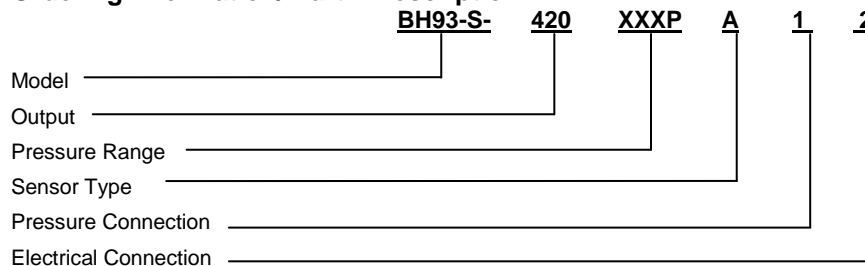
Output*:

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: Nose-cone over1/4" mnpt *(see Pressure connection below for other options)
 Electrical Connection : Molded, vented submersible cable(PE outer jacket)

Ordering Information/ Part # Description



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 050= 0 - 50 psid G, A
 005= 0 - 5 psid G, A 100= 0 - 100 psid , G, A
 010= 0 - 10 psid G, A 300= 0 - 300 psid , G, A
 030= 0 - 30 psid G, A 500= 0 - 500 psid , G, A

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
 * =Consult factory for other options

Electrical Connection

1= 1 m Polyethylene outer jacketed vented submersible cable*
 *Consult factory for other length options