

BH19 mm Series



Applications

Controls and instrumentation
 Diagnostics
 Refrigeration
 Environmental control
 Pollution control
 Process control
 HVAC
 Transportation

Environmental Data

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

Specifications	Min	Typical	Max	Units
Zero Pressure Offset	-2	0	+2	mV
Full Scale Span (mV/V)	98	100	102	mV
Full Scale Span(1.5mA)	70	100	130	mV
Pressure Non-Linearity	-	±0.15	±0.3	%FSS
Pressure Hysteresis	-	±0.05	±0.1	%FSS
Repeatability	-	±0.05	±0.1	%FSS
Zero Temp. Error	-	±1	±1.5	%FSS
Span Temp. Error	-	±1	±1.5	%FSS
Voltage Excitation	-	10	15	Vdc
Current Excitation	-	1.5	2.0	mA
Long Term Stability of Offset & Span	-	±0.1	±0.5	%FSS
Response Time	-	≤1	-	ms
Common Mode Voltage	45	50	55	%FSS
Input Resistance	6	12	20	kΩ
Output Resistance	2.5	5	6	kΩ
Insulation Resistance 50VDC	50			MΩ
Proof Pressure	3X or 10,000 psi , whichever is less			FSS
Burst Pressure	5X or 10,000 psi , whichever is less			FSS
Shock	100G, 11ms			
Vibration	10G, 20 to 2000 Hz			
Sensor and Process fitting Material	316L SS			
Reference Side Material	Silicon, Pyrex, Gold, Fluorosilicon Rubber			

The reference conditions (unless otherwise noted):
 Temperature: 25°C

Standard Pressure Ranges (PSI): 1, 5, 10, 15, 30, 50, 100, 150, 300, 500, 1000

Ordering Information/ Part # Description

