



PRESSURE

# Exp Absolute/ Gauge Pressure Transmitter

## Tek-Bar 3120B



Technology Solutions



### 1 FEATURES

- Digital communication HART protocol
- High accuracy up to  $\pm 0.075\%$
- Various Output: 4-20 mA, digital signals
- Multiple temperature and linearity compensation to improve accuracy
- Fully-sealed and fully isolated silicon pressure sensor
- Superior stainless steel process flange
- Dual diaphragm overload protection, it can easily cope with overload tests
- 355° rotation display module

### 3 APPLICATIONS

- Food and Beverages
- Water and wastewater
- Oil and Gas
- Pulp and Paper
- Chemical

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### 2 SPECIFICATION

Pressure Type	Gauge or Absolute
Accuracy	$\pm 0.075\%$ F.S. (Optional $\pm 0.04\%$ F. S.)
Diaphragm Materials	Hastelloy C
Measuring Range	5 to 10000psig (5 to 1500psig)
Stability	$\pm 0.2\%$ URL/5 year
Process Connection	1/2" MNPT (Other Options Available)
Wetted material	316 LSS and Hastelloy C
Working Humidity	5 to 100%
Output Signal	4 mA to 20 mA with HART® Communication (Optional Modbus RS485 and 1-5VDC)
Mounting Position Effect	Apply to any position. Max value lower than 1.6 w.c. (400 Pa) can be corrected by zero clearing function
Insulation Resistance	$\geq 20$ M $\Omega$ at 100VDC
Enclosure Rating	NEMA 4X (IP67); Optional IP68
Weight (excluding Option Items)	3.43 lb (1.55kg)
Testing Standard	IEC60770
Agency Approval	CE, CSA Class I Div I