



PRESSURE

Tri-Clamp Gauge Pressure Transmitter

Tek-Bar 3120C



Technology Solutions



1 FEATURES

- Digital communication HART protocol
- High accuracy up to $\pm 0.2\%$
- Various Output: 4-20 mA, digital signals
- Temperature compensation to improve accuracy
- Fully-sealed and fully isolated silicon pressure sensor
- Tri-Clamp process connection
- 355° rotation display module
- Push button programmable

3 APPLICATIONS

- Distilleries
- Food Processing
- Pulp and Paper
- Dairy

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2 SPECIFICATION

Process medium	Compatible gases, steam and liquids
Pressure type	Gauge Pressure
Process connection	1-1/2" Tri-Clamp or 2" Tri-Clamp
Wetted materials	316L SS
Ranges	5.8 psig to 300 psig
Accuracy	$\pm 0.2\%$ F.S.
Stability	$\pm 0.2\%$ URL/5 years
Working temperature	-40 °F to 185 °F (-40 °C to 85 °C)
Power consumption	≤ 500 mW at 24 VDC, 20 mA
Insulation resistance	≥ 20 M Ω at 100 VDC
Working humidity	5-100% RH
Output signal	4- 20mA with HART (Optional Modbus RS485)
Vibration resistance	According to IEC60068-2-6, 10g RMS (25-2000Hz)
Impact resistance	According to IEC60068-2-6, 500g/1ms
Mounting position effect	Apply to any position. Max value lower than 1.6 w.c. (400 Pa) can be corrected by zero clearing function
Protection class	NEMA 4X (IP66)
Damping time	0 -100 s adjustable
Start-up after power off	≤ 6 s
Response time	≤ 0.2 s
Power supply	10-55 VDC (HART: 16-55 VDC)
Max. Transmission distance	3281 ft
Weight	Approx 3.43 lbs (1.55 Kg)