



PRESSURE



Technology Solutions

Tri-Clamp Gauge Pressure Transmitter

Tek-Bar 3120C



1 FEATURES

- Digital communication HART protocol
- High accuracy up to $\pm 0.2\%$
- 4-20 mA, digital signals with HART® Communication (Modbus RS485)
- 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

- Process Control System
- Refrigeration and HVAC Control
- Hydraulic System and Valve
- Machine Building
- Pumps and Compressors

CONTACT US

796 Tek Drive, Crystal Lake, IL 60014 USA

+1 847 857 6076

Email: tektrol@tek-trol.com

www.tek-trol.com

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 at 100 VDC
Working humidity	5-100% RH
Output signal	4 mA to 20 mA 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)