



LEVEL



Technology Solutions

# Differential Pressure Level Transmitter

## Tek-Hydro 4500A-D



### 1 FEATURES

- Operator can calibrate device using zero/span button, no handheld calibrator required
- Digital communication HART protocol
- Fail-safe mode process function for detecting any abnormal condition occurred
- Automatic ambient temperature compensation improves performance of device
- The mounting bracket rotated up to 360° and LCD display up to 270°
- EEPROM write protection

### 3 APPLICATIONS

- Water and wastewater industry
- Food industry
- Process industry
- Pulp and paper industry
- Chemical industry
- Mining and metal processing

### CONTACT US

796 Tek Drive, Crystal Lake, IL 60014 USA

+1 847 857 6076

Email: [tektrol@tek-trol.com](mailto:tektrol@tek-trol.com)

[www.tek-trol.com](http://www.tek-trol.com)

### 2 SPECIFICATION

Measuring range	1.5" H <sub>2</sub> O to 1000 PSI
Power supply	12 to 45 VDC
HART loop resistance	250 to 550 ohm
Accuracy	± 0.075% of span
Output signal	4 to 20 mA DC/HART
Isolation	500 Vrms (707 VDC)
Ambient temperature effect	±[0.025%URL+0.125% span]/28 °C
Stability	±0.1% URL for 12 months
Operating temperature	-40 °F to 185 °F (-40 °C to 85 °C)
LCD meter operating temperature	-22 °F to 176 °F (-30 °C to 80 °C)
Humidity limits	5% to 98% RH
Process temperature limit	-40 °F to 248 °F (-40 °C to 120 °C)
Process wetted material	316L SST
O-ring	Viton, PTFE
Fill fluid	Silicon 200, Neobee
Response time	Update time: 0.25 sec, Turn on time: 5 sec
Process connection	¼" – 18" NPTF ½"-14" FNPT connection adapter (316 SST) for Tek-Hydro 4500A-D series w/single diaphragm seal
Electrical connection housing	½" - 14" NPTF conduit/Epoxy coated-aluminum G1/2 conduit/Epoxy coated-aluminum
Approvals	KOSHA Flameproof Approval: Ex d IIC T6 KTL Intrinsic Safety Approval: Ex ia IIC ATEX (KEMA) Flameproof: Ex d IIC T6 or T5 ATEX (DEKRA) Intrinsic Safety FM/FMC Explosion proof (for USA & Canada) Class I/II/III, Division ½, Group A-D/E-G
Enclosure rating	IP67 (NEMA 4X)