

# **NEW!** DS TRANSMITTER

A 4-20 mA VALVE POSITION TRANSMITTER

## KEY FEATURES

### SIMPLE

Two-button local interface for quick and easy calibration. Compact design for easy access in any direction. No adjustments needed for our user-friendly gearless potentiometer.

### INTUITIVE

A digital LCD paired with our iconic Beacon for ultra-accurate position indication.

### ENGINEERED TO LAST

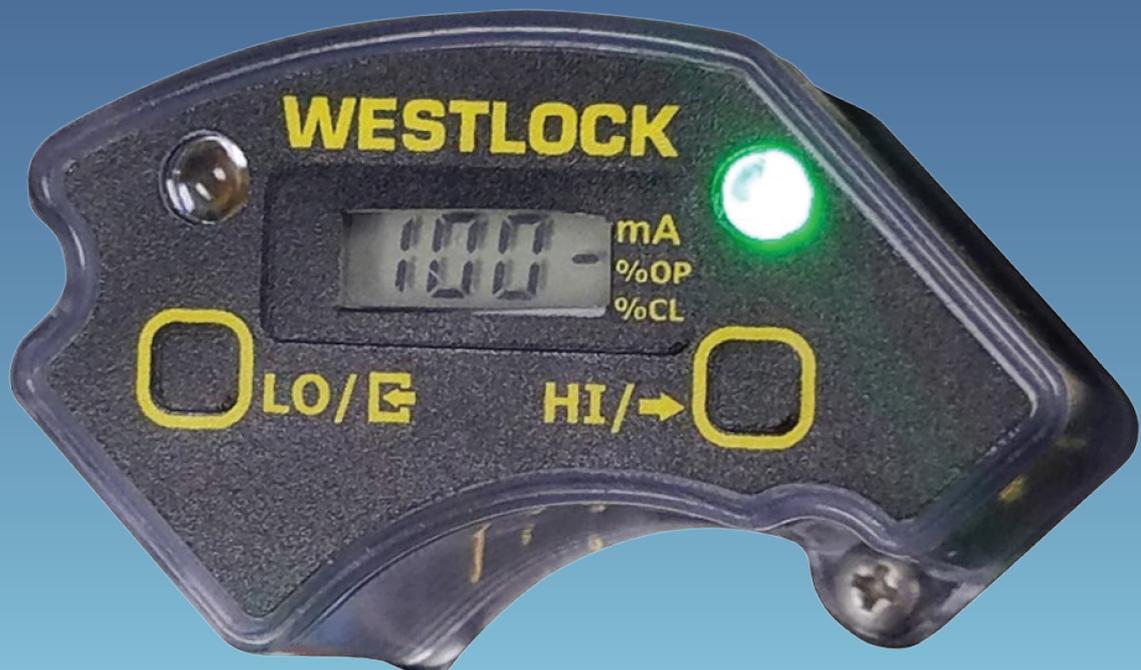
With a gearless potentiometer, the DS is less likely to wear down the device. A higher cycle count up to 10 million cycles means a longer operating life and cost-saving benefits.

### Globally Certified: Intrinsically Safe

More flexible to use in a wider variety of applications.

## BENEFITS

- Gearless potentiometer for longer operating life
- Save time with quick and easy calibration
- Easy field wiring and mounting
- Accurate position indication
- Use in a wider variety of applications



# DS POSITION TRANSMITTER

## A 4-20 mA VALVE POSITION TRANSMITTER

The next generation of valve position transmitter, the DS is a 4-20 mA analog transmitter that is simple, intuitive, engineered to last and offers global intrinsically safe approvals. The new DS Transmitter features a gearless potentiometer, push button calibration with local LCD and LEDs. Available in both AccuTrak and Quantum models, the DS Transmitter is fully capable to use in a wider variety of applications

### TECHNICAL DATA

#### Potentiometer Option

Average position repeatability	0.5% full scale
Average hysteresis	1% of full scale
Average position resolution	0.5% full scale
Average linearity	0.5%
Operating temperature range	-40°C to +80°C
Ambient temperature	-40°C to +80°C
Min/Max rotation	30° - 210°
Transmitter update rate	20 ms

### SETUP & RATINGS

#### Setup, calibration and operation

Graphic LCD:

LCD operating temperature: -20°C to +70°C (-4°F to +158°F)

Keypad for local configuration:

2-key ruggedized push-button membrane

#### Environmental

Storage: -60°C to +80°C (-76°F to +176°F)

Relative Humidity: 0 to 95% non-condensed

Vibration: 2 g, 10 Hz to 1000Hz

Shock: 18 g, 3 axis, 100 bumps each axis

References: IEC61514-2, IEC 60068-2-29/27, IEC 61298-3, IEC 60068-2-1/2

## CS VS DS TRANSMITTER

CS Transmitter



DS Transmitter



✓	Position Feedback	✓
✓	Remote Position Indication	✓
✓	Hazardous Certification	✓
✗	Push Button Calibration	✓
✗	Visual Position Indication	✓

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