

VTP10-H

HART® POSITION TRANSMITTER



- ✓ HART® 7 Communication Protocol
- ✓ 4-20 mA NAMUR NE 43 Analog Output
- ✓ No Polarity 12 to 45 Vdc Power Supply
- ✓ Working Range Configuration
- ✓ Operation Limit Alerts
- ✓ No Mechanical Contact Magnetic Sensor
- ✓ 5-digit, Rotative, Multifunctional LCD with Bargraph
- ✓ Predictive Maintenance Diagnosis
- ✓ Position Histogram
- ✓ Configurable Measurement Unit
- ✓ Operating Temperature -40 to 185 °F
- ✓ Support to EDDL and FDT/DTM Programmers/Tools

DESCRIPTION

HART® position transmitter **VTP10-H** integrates *Vivace Process Instruments* field device family, being developed to monitor linear and rotative length systems, such as valve actuators.

The transmitter can be powered by a 12 to 45 Vdc power supply, generating a 4-20 mA current channel (according to NAMUR NE43 standard), proportional to measured PV. Its main function is to calculate the correct position of installed system, according to user configuration and calibration, exporting this value through digital communication and analog signal (4-20 mA current).

The measurement sensor used on VTP10-H has no mechanical contact with the installed system whatsoever, since it works on magnetic field effect, which guarantees high precision and immunity to mechanical variations. Easy to install and to initialize, the transmitter also measures ambient temperature and executes several diagnostics for system predictive maintenance, such as reversal, strokes and mileage counters, and position histogram.

Configuration uses HART® 7 communication protocol, already established on the world of industrial automation, via Android or EDDL and FDT/DTM tools to configure measurement scales, work units and calibration, also monitoring the measuring values e device status. User can also execute configurations via local adjustment using a magnetic screwdriver.

CONNECTION



