DT DigitalTrak

The DigitalTrack positioner is a loop powered instrument.

As a control part of the pneumatic valve set, this positioner is widely used in petroleum, chemical, electric generation, metal production, light industry and other fields of automation systems.

The DT intelligent electro-pneumatic valve positioner accepts 4-20 mA valve setting signal from the control system; at the same time, it receives the actual valve signal through the local sensors; the two signals are compared by control software in order to control the feeding and exhaust of the air to the actuator, driving the valve to reach the set point.

The DigitalTrack positioner is based on microprocessor technology. It can overcome friction and the imbalance power on the control valve well, and improve the response speed of the control valve. This sets the position rapidly and accurately.



Key features and benefits

- > Compact design
- > Metallic case
- > Heavy duty design
- > High reliability
- > Integrated fail in place on loss of signal device
- > Integrated position transmitter
- > Display for calibration

- > Autotuning system for calibration
- > Auto-diagnosis system
- > Suitable for:
 - Standard, offshore, sandstorm, copper free ambient conditions
 - Single and double acting actuators
 - Low and high ambient temperature



Accessories

> Remote mounting equipment

DT electro-pneumatic version



Technical specifications

Housing material Aluminum

Operating pressure P min = 1.4 bar P max = 7 bar Design pressure = 10 bar

Static air consumption 0.036 Nm³/h (0.02 SCFM) at 400kPa (60 psi)

Feeding connection ND 1/4"

Output connection ND 1/4"

AIR SUPPLY CONN.1/4" NPT

OUT 1 CONN.1/4" NPT

30

55

26

55

Pilot signal connection 1/2" NPTF

Dimensional drawing

CV max ND 1/4" Inlet = 0.12 ND 1/4" Outlet = 0.12

Operating temperature -20°C / +70°C

Signal 4-20 mA

Sensitivity 0.1% of signal range

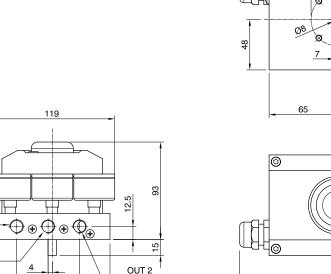
Repeatability 0.2% of the full stroke

Accuracy 0.5% of the full stroke **Hysteresis** 0.2% of full stroke

Environmental humidity 5% - 95%RH

Input independence 375 Ω/20 mA

Weight ND 1/4" = 2kg



CONN.1/4" NPT

