

TST PD-ME-B

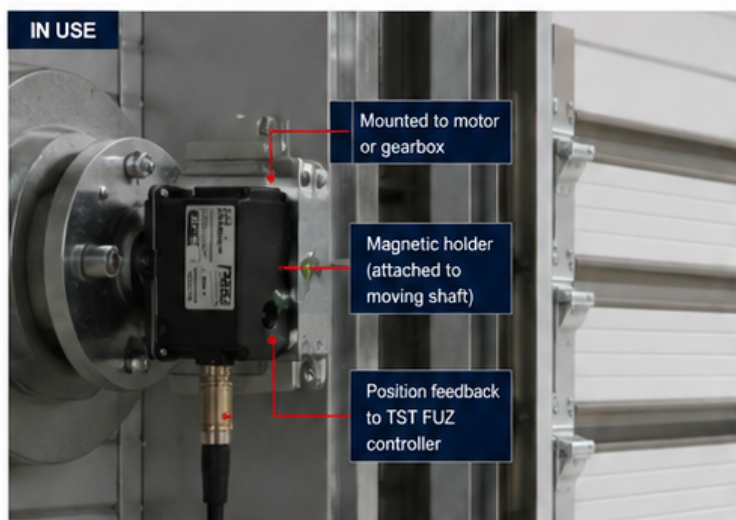
Electronic Positioning Detector (Multiturn)

The TST PD-ME-B is a multi-turn electronic positioning detector using patented magnetic field technology. It provides accurate position feedback for industrial doors with flexible installation options and reliable performance in demanding environments.

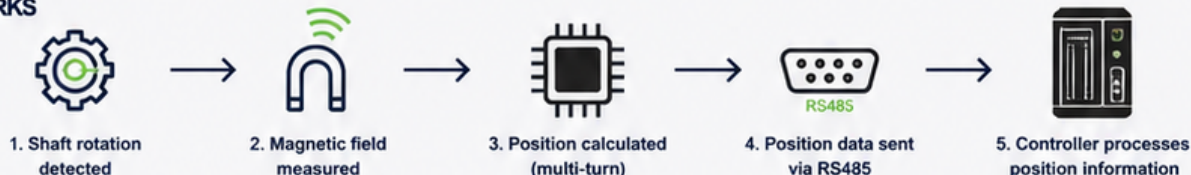


KEY FEATURES

- Optimized teaching-in of all limit switch positions
- Self-teaching limit switch corrections
- Speed-dependent limit switch corrections
- Travel and rotation direction control
- Positions taught in once are retained permanently
- Several installation options
- 12 mm hollow shaft, one end closed
- Ready for operation even without external voltage



HOW IT WORKS



TYPICAL APPLICATIONS

- High speed doors
- Sectional doors
- Roller shutters
- Industrial doors
- Loading bay equipment

TECHNICAL SPECIFICATIONS

Housing	Plastic, black
Dimensions (W x D x H)	70 x 92 x 50 mm (12 mm hollow shaft)
Protection class	IP 65
Power supply	10...30 VDC, 30 mA
Data output	RS485, bi-directional
Temperature range	-40 °C up to +70 °C
Standard conformity	
Machine	EN 12453 / EN 12978
Voltage	EN 60335
EMC	EN 50081 / EN 50082

FUNCTIONALITY

- Latest patented magnetic field technology
- Isolated and high protected plastic housing
- Contactless measuring method
- Rugged against dust, grease, moisture as well as against mechanical shock and vibrations
- 25 kV ESD protection operating with high speed foil doors
- Big range of power supply 10...30 VDC
- Minimum current consumption
- Memory backup for over 10 years at typical door usage by an integrated Lithium battery
- Diagnostic functions in combination with FEIG controllers
- Universal installation possibilities – for high speed motor shaft down to low speed single turn shafts
 - ⇒ up to 16 Bit (65535 Ink) revolutions (multi turn)
 - ⇒ up to 13 Bit (8192 Ink) per revolution (single turn)
 - ⇒ High speed up to 6000 min⁻¹

ORDER DESCRIPTION

TST PD-ME-B
Electronic position detector

ACCESSORIES

- TST PD-ME, magnetic holder
- TST PD-ME-B cable 10m