

Optical Scales

- ISA 2320
- SCR 3923
- PBS-HR
- GMS
- NCS
- AGS
- NCH

Magnetic Scales

- MTS
- MTR
- MTV
- AGM
- VISION 110
- MP
- MR
- MTT
- MTB
- ACCESSORIES

Rotary Encoders

- EN58
- AEN58
- EN38
- EPC
- EN413
- VN413
- ACCESSORIES

Digital Readouts

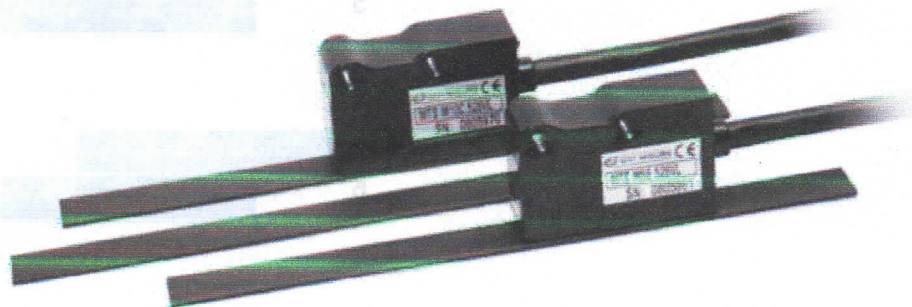
- ME510
- ME518
- ME600
- ME800
- VI700
- VI900
- ACCESSORIES

Position Controllers

- THESI 310
- THESI 320

PRODUCTS MAGNETIC SCALES

MTS Reading system with square-wave output



OVERVIEW

MODELS

MTS P Pole pitch 1+1 mm Pr

| | |
|-----------------------------------|---|
| Pole pitch | 1+1 mm |
| Available resolutions | 10 - 5 - 1 - 0,5 μ m |
| Accuracy | $\pm 10 \mu$ m |
| Sensor - magnetic band gap | 0,1 \div 0,5 (with band MP100) |
| Reference signal | at constant pitch of 1 mm (C) |
| Repeatability | ± 1 increment |
| Output | LINE DRIVER / PUSH-PULL |
| Power supply | 5 \div 28 Vdc \pm 5% |
| Max. frequency | 300 kHz |
| Max. speed | 0,6 m/s (MTS P05) – 1,2 m/s (MTS P1) |
| Protection class | IP 67 |
| Electrical protections | inversion of polarity and short circuit |

MTS M Pole pitch 2+2 mm **Pr**

| | |
|-----------------------------------|--|
| Pole pitch | 2+2 mm |
| Available resolutions | 1000 - 500 - 100 - 50 - 25 - 10 - 5 - 1 μ m |
| Accuracy | $\pm 15 \mu$ m |
| Sensor - magnetic band gap | 0,3 + 1,5 (with band MP200) 0,35 + 0,9 (with band MP200Z) |
| Reference signal | at constant pitch of 2 mm (C) external (E) positioned on the magnetic band (Z) |
| Repeatability | ± 1 increment |
| Output | LINE DRIVER / PUSH-PULL |
| Power supply | 5 + 28 Vdc $\pm 5\%$ |
| Max. frequency | 300 kHz |
| Max. speed | 1,2 m/s (MTS M1) – 12 m/s (MTS M10) |
| Protection class | IP 67 |
| Electrical protections | Inversion of polarity and short circuit |

MTS H Pole pitch 5+5 mm **Pr**

| | |
|-----------------------------------|---|
| Pole pitch | 5+5 mm |
| Available resolutions | 100 - 50 - 25 - 10 - 5 μ m |
| Accuracy | $\pm 40 \mu$ m |
| Sensor - magnetic band gap | 0,3 + 3,5 (with band MP500) |
| Reference signal | at constant pitch of 5 mm (C) external (E) |
| Repeatability | ± 1 increment |
| Output | LINE DRIVER / PUSH-PULL |
| Power supply | 5 + 28 Vdc $\pm 5\%$ |
| Max. frequency | 300 kHz |
| Max. speed | 6 m/s (MTS H5) – 12 m/s (MTS H10) |
| Protection class | IP 67 |
| Electrical protections | Inversion of polarity and short circuit |

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