

MAGNICATOR® II Magnetostrictive **Transmitter**

Section: J100 Bulletin: J100.23 Date: 8/13

Supersedes: 03/13

Model MTII4200

Magnetostrictive Transmitter

- Two-wire, 4-20 mA loop powered, proportional transmitter.
- HART protocol communications standard.
- Foundation Fieldbus output optional.
- Sensing lengths from 6 inches to 228 inches (15 cm to 6 meters).
- Continuous level measurement with repeatability to .01% Full Scale
- FM approved for use in hazardous locations:
 - Class I Division 1 Groups B, C, D.
 - Class II Division 2 Groups E, F, G.
- CSA and ATEX approvals optional.
- Electronics housed in NEMA 4X, 7 (Groups B, C, D) and IP 66/67 enclosure.
- Easily mounts to the Magnicator II without removing vessel from service.
- Easy zero and span adjustments, via integral keypad and display.
- Reverse polarity protection.
- Lightning / Transient protection:
 - Line-to-ground surge suppression; IEC 61000-4-5
 - Line-to-line and line-to-ground transient suppressors; IEC 61000-4-4
- No transmitter parts in contact with fluid when used in conjunction with the Magnicator II Liquid Level Gage.





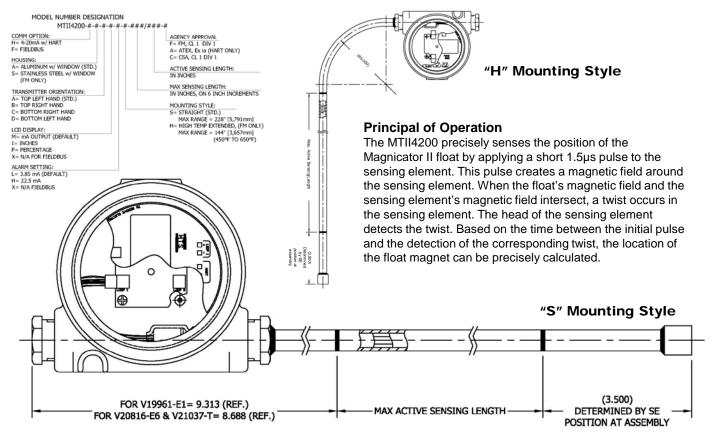






MTII4200 Magnetostrictive Transmitter

See M500.31 for complete specifications, installation and operating instructions.



GENERAL SPECIFICATIONS; 4-20 mA/HART Models

Sensor Length 6" - 228" (152mm - 5791mm) for "S" Mounting Style

6" - 144" (152mm - 3657mm) for "H" Mounting Style

Area Classification FMRC Class I Division 1 Groups B, C, D.

Wiring Two-wire twisted pr. - shielded cable, 24 AWG or heavier

Conduit Connection 3/4" FNPT

Wiring Connection Screw Terminal

Input Power 24 VDC, 36 VDC Max.

OUTPUT

Current 4 - 20 mA

Non Linearity 0.02% F.S. or 0.031 in., whichever is greater

Repeatability 0.01% F.S. or 0.015 in., whichever is greater

Ambient Temperature Sensor -30°F to 300°F (-34°C to 149°C)

Electronics -30°F to 160°F (-34°C to 71°C)

Recommended Process Temperature -30°F to 450°F (-34°C to 232°C) Standard

To 650°F (343°C) High Temperature Extended

CALIBRATION

Zero Adjust Anywhere within active length

Span Adjust Full Scale to 6 in. (152mm) from zero

Authorised Distributor:



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