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# 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.





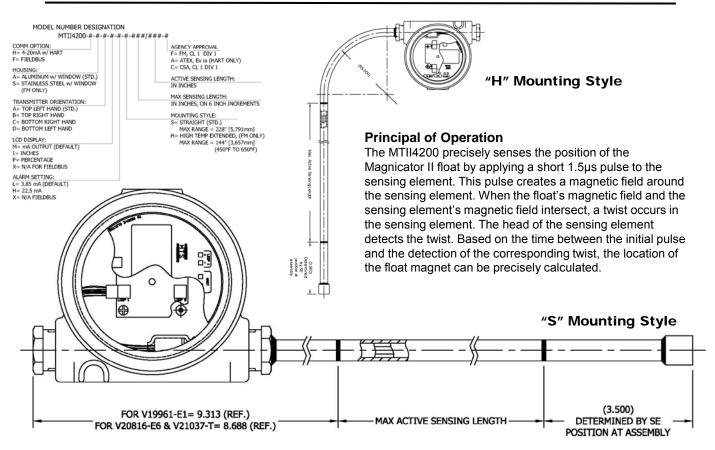




#### Liquid Level Gages and Valves for the Power and Process Industries

#### 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



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