MTII 4300™ Magnetostrictive Transmitter

• 4-20 mA loop powered; 10.5 to 28 VDC
• HART 7 protocol communications standard
• SIL2 Certified (HART Only)
• Sensing lengths from 6 inches to 228 inches (15 cm to 6 meters).
• Continuous level measurement with repeatability to .001% F.S. or 0.015 in.
• FM approved for use in hazardous locations:
  - Class I Division 1 Groups B,C& D
  - Class II Division 1 Groups E,F, & G
• CFM, ATEX, IECEx available; Contact Factory
• NEMA 4X Enclosure Standard – 316SS optional
• Easily mounts to Magnicator without removing vessel from service - No contact with fluid
• Multi-tiered Menu accessible via magnetic stylus through window – No need to remove cover!
• Reverse polarity protection (series diode)
• Lightning / Transient protection:
  - Line-to-ground surge suppression; EN 61000-4-5
  - Line-to-line and line-to-ground transient suppressors; EN 61000-4-4
MTII4300 Magnetostrictive Transmitter

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

GENERAL SPECIFICATIONS

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 2 wire shielded twisted pair, 24AWG min - 14AWG max

Conduit Connection 3/4" FNPT

Wiring Connection Screw Terminal

Input Power 10.5-28VDC

OUTPUT

Fail Safe 3.5 (Default, Low), 22.8 (High)

Repeatability .01% F.S. or 0.15 in. whichever is greater

Temperature Sensitivity Zero:<.005% per C (.003% per F)
Module -30F to 160F (-34C to -71C)

Operating Temperature Sensing Element -40F to 257F (-40C to 125C)
Electronics -40F to 160F (-40C to 71C)

Recommended Product Temperature - 30F to 450F (-34C to 232C) Standard
650F (343C) High Temp Extended

Calibration 1-pt calibration (transmitter must have valid level at time of calibration)
Field adjustable zero and span settings

NOTE: contact factory for transmitter applications with insulation