



- The only Magneto with registered DD's for HART and Foundation Fieldbus to IEC-61804-2
- HART (Rev. 5.0), FF (ITK 4.6), AMS Aware
- Sensor trim from anywhere in the loop with HART
- Measure Level, Interface and Temperature simultaneously
- User friendly setup via self-prompting menus
- Continuous monitoring of instrument health via HART
- Ideal for High Temp/Hi Pressure, Corrosive or "Dirty" service

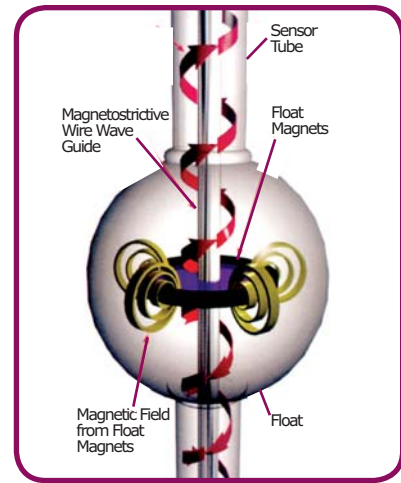


LTM Series Magnetostrictive Level Transmitter

Description

Magtech's LTM Series Magnetostrictive Level Transmitters are highly accurate, precise, and offer a variety of configuration options. The LTM may be utilized as a direct insertion transmitter or externally mounted to a Magnetic Level Gauge for non-invasive level control.

The LTM sensor probe with magnetic float(s) is inserted directly into a tank. As the float rises or falls with the fluid, the transmitter provides level output. LTM's are available with two-wire loop powered 4-20 mA signal output(s), or bus powered (fieldbus) with digital signal output(s).



Magnetostrictive Principle

Other configurations include remote mount electronics for easy access or high temperature applications. Sensor probes are available in a variety of materials including stainless steel and exotic alloys (e.g. Monel, Hastalloy, etc.) or electropolished for sanitary applications. All LTM's feature explosion proof dual compartment enclosures, integral displays, and intrinsically safe electronics.



The "Plug-and-Play" electronics allow easy upgrades from HART to Fieldbus without replacing the sensor probe.

The LTM transmitters offer the latest and most advanced software features on the market today, introducing the only registered HART DD compliant to IEC 61804-2, and compliant to latest Foundation Fieldbus software version ITK-4.6. and AMS Aware.

Fieldbus Option

The LTM-300FF is available with Foundation Fieldbus compliant electronics (ITK-4.6), allowing the widest range of interoperability with host manufacturers. There is no PID control in the function block; keeping control in the final control element (pump, valve, etc.) where it belongs. In addition, there is no Link Active Scheduler (LAS), eliminating interference in execution or response time. The LTM-300FF offers a unique configuration method, guiding the user, step-by-step, through the calibration process, making setup and maintenance quick and easy. The LTM-300FF is explosion proof and carries FM, CSA and ATEX approvals (see LTM Series Transmitter Options) for use in hazardous locations.

LTM Order Information

Insertion Type

Model# (Example): LTM-300 - 316 - 3/4" - 0.64 - 150F - 300PSI - 30" - RM(10')

200D
300
300 FF

Probe Material
316=316 SS

TFE=Teflon
KYN=Kynar
Other (Specify)

Mounting Connections
3/4" NPT (Standard)
Other (Specify)

Min. Oper. S.G.

Max. Oper. Temp.

Max. Oper. Press.

Measuring Length

Options

*Temp=Temp Output(Digital)
*Dual=Dual Level Outputs(LTM-300 Only)
INT=Interface(Specify both S.G.'s)
SW=Stilling Well(Specify size)
3A=3A Sanitary Application
RM=Remote Electronics(Specify cable length)
A=Atex Approval
I=IEC Approval

* Available on LTM 300 & LTM 300 FF only
All units are CSA approved, standard

Gage Mount (Gage Dimensions may vary)

Model# (Example): LTM-200D-G - 30" - RM(10')

200D
300
300 FF

Measuring Length

Options

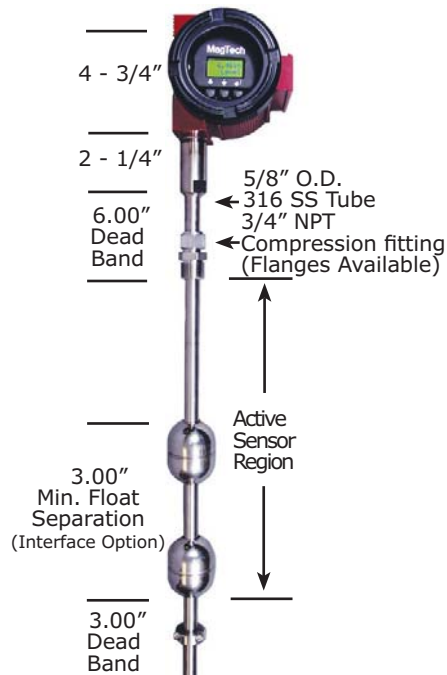
RM=Remote Mount Electronics(Specify cable length)
A=Atex Approval
I=IEC Approval
ELB=Elbow mounted electronics

LTM Series Transmitter Options



Model	LTM200D	LTM300	LTM300FF
Supply Voltage	15-36 VDC (loop)	15-36VDC (loop)	Bus powered
Calibration/Configuration	Pushbutton	HART/Pushbutton	Host/Pushbutton
Output Options	Single Analog (4-20mA) (Primary or interface)	Up to 3 outputs Primary, interface, level & temperature (1 analog 4-20mA, 2 digital)	Up to 3 outputs Primary, interface, level & temperature (All digital)
Housing:	Dual compartment, aluminum, epoxy coated enclosure with glass window.		
Description/Material:	Dual compartment, aluminum, epoxy coated enclosure with glass window.		
Protection Rating:	NEMA 4X, NEMA 7, IP 66		
Sensor Probe:	316 SS, 5/8" Probe (standard), other materials available.		
Material	316 SS, 5/8" Probe (standard), other materials available.		
Maximum Length	30 ft (914.4 cm)		
Mouting Style	3/4" MNPT Compression Fitting, Insertion Type (flanges available) Non-invasive mount optional		
Operating Temp.	Insertion type -50°F to 300°F (-45°C to 149°C) / Gage type -50°F to 750°F (-45°C to 399°C)		
Accuracy	0.01% of range		
Repeatability	0.005% of range		

*Note: All Transmitters feature a standard digital display



Typical Applications

- Marine
- Coatings
- Oil and Gas
- Petrochemicals
- Pharmaceutical
- Position Sensing
- Sanitary Service
- Valve Positioning
- Power Industries
- Inventory Control
- Corrosive Process
- Food and Beverage
- Batching Processes
- Underground Tanks
- Primary Level/Interface
- Process Temp. and Level

LTM Description and Approvals

Approvals

FM-Exp



LTM 200D

Class I, Div. I; Groups B,C,D
Class II, Div. I; Groups E,F,G
Class III, NEMA 4X, IP66

LTM 300

Class I Div. I; Groups B,C,D
Class II, Div. I; Groups E,F,G
Class III, NEMA 4X, IP66

LTM 300FF

CSA-Exp



Class I, Div. I; Groups B,C,D
Class II, Div. I; Groups B,C,D
Class III, NEMA 4X, IP66

Class I, Div. I; Groups B,C,D
Class II, Div. I; Groups B,C,D
Class III, NEMA 4X, IP66

Class I, Div. I; Groups B,C,D
Class II, Div. I; Groups B,C,D
Class III, NEMA 4X, IP66

CSA-IS

Class I, Div. I, Groups C,D

Class I, Div. I, Groups C,D

ATEX-Exp



II 2 G EEx d IIC T4



II 2 G EEx d IIC T4

IECEX-Exp

Ex d IIC T4

Ex d IIC T4



Top mounted LTM
Transmitter on LG Series
Mag gage



Bottom mounted LTM
Transmitter on LG Series
Mag gage



Remote mounted LTM
Transmitter ideal for
high temperature
applications

Represented By:



907 Bay Star Blvd. • Webster, Texas 77598 USA

Phone: 281.488.0788 • Fax: 281.488.7080 • Email: magtech@isemagtech.com • www.isemagtech.com