

Submersible Liquid Level Transmitter LEET-M



Smart Agriculture, Smart Building, Smart City, Smart Facility, Smart Farm, Smart Factory, Smart Transportation, Smart Utilities

SKU: LEET-M

Safe Zone

Hazardous Zones

SUBMERSIBLE LEVEL TRANSMITTER LEET-M



LEET-M-H1.PNG

LEET-M is a full sealed submersible level transmitter. It utilises the advanced piezo-resistive pressure sensor and high accurate measurement circuit to deliver high accuracy and very stable measurement. Integrated construction and standard signal provide the user easy and convenient installation for most applications. The special cable connects with housing, can be permanently immersed into the liquid for long time. LEET-M level transmitter has small size, light weight and good stability. It can be used for water or liquid measure and control of medicine, metallurgy, electricity, mine, city water supply and drainage, etc.

Applications

Flood Monitoring, Level Monitoring, Process Monitoring, Safety Monitoring, Smart Irrigation, Infrastructure Monitoring

Notes For Applications

- Submersed in 200m depth of Water**
Fully laser welding construction for stable operation
- High reliability and stability**
Advanced Piezo-resistive technology
- ATEX explosion-proof**
Explosion-proof product conforms to Ex ia IIC T6
- 4-20mA Loop powered**
Easy to connect to any PLC, system...

WATER LEVEL MEASUREMENT IN LAKE, RIVER, CANAL, TANK...



LEET-M-H2.PNG

DAVITEQ TECHNOLOGIES INC

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Specification

Range (FS)	Select 1, 5, 10, 20, 50, 100, 200mH ₂ O
Overpressure	1.5 times FS
Accuracy	Range ≤ 50mH ₂ O, accuracy ±1.0% FS. Range > 50 mH ₂ O, accuracy ±0.5% FS. For 0.2% and 0.1% accuracy, please contact us
Stability	Range > 10mH ₂ O, ±0.2% FS/ year. Range ≤ 10mH ₂ O, 20mmH ₂ O/ year
Thermal drift	Range > 10mH ₂ O, ±0.02% FS/ °C. Range ≤ 10mH ₂ O, ±0.05% FS/ °C
Working temperature	-10~70°C, -10~60°C (Ex ia)
Storage temperature	-20~85°C
Power supply	11V~28VDC
Output signal	4mA~20mADC (2-wire, loop powered)
Load	≤ (U-11)/ 0.02Ω
Housing	Stainless steel 1Cr18Ni9Ti
Diaphragm	Stainless steel 316L as standard, optional Tantalum
Cable material	ø7.5mm Polyethylene cable as standard, Optional Polyurethane cable
Cable length	2m additional of FS
Connector	No connector - flying leads as standard, optional M12-F connector
Ex approval	Optional ATEX Ex ia IIC T6

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CONNECT WITH IoT GATEWAY



LEET-M-H3.PNG

CONNECT WITH WIRELESS TRANSMITTER



LEET-M-H4.PNG

PRODUCT PACKAGE

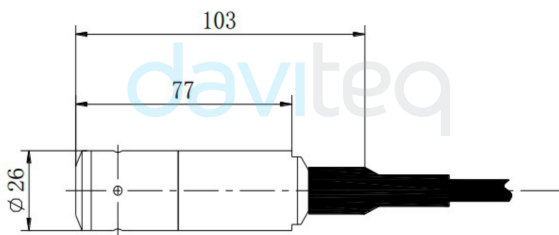


LEET-M-H5.PNG



LEET-M-H6.PNG

DIMENSION DRAWINGS



LEET-M-H7.PNG

WIRING

FLYING LEADS

Wire color	Connection
Black	+V
Red	0V/+OUT

M12-F CONNECTOR



1 - PWR+
4 - OUT

LEET-M-H8.PNG


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Ordering Information

ITEM CODE	DESCRIPTIONS
LEET-M-01-001-SS-PE-FL	LEET-M submersible level transmitter, 316L SS diaphragm, PE cable, flying leads, 1mH ₂ O FS
LEET-M-01-001-SS-PU-FL	LEET-M submersible level transmitter, 316L SS diaphragm, PU cable, flying leads, 1mH ₂ O FS
LEET-M-01-001-TL-PE-FL	LEET-M submersible level transmitter, Tantalum diaphragm, PE cable, flying leads, 1mH ₂ O FS
LEET-M-01-001-TL-PU-FL	LEET-M submersible level transmitter, Tantalum diaphragm, PU cable, flying leads, 1mH ₂ O FS
LEET-M-01-001-SS-PE-M12	LEET-M submersible level transmitter, 316L SS diaphragm, PE cable, M12-F connector, 1mH ₂ O FS
LEET-M-01-001-SS-PU-M12	LEET-M submersible level transmitter, 316L SS diaphragm, PU cable, M12-F connector, 1mH ₂ O FS
LEET-M-01-001-TL-PE-M12	LEET-M submersible level transmitter, Tantalum diaphragm, PE cable, M12-F connector, 1mH ₂ O FS
LEET-M-01-001-TL-PU-M12	LEET-M submersible level transmitter, Tantalum diaphragm, PU cable, M12-F connector, 1mH ₂ O FS
LEET-M-02-020-SS-PU-FL	LEET-M submersible level transmitter, accuracy 0.2% FS, 316L SS diaphragm, PU cable, flying leads, 20mH ₂ O range
Notes	<p>Replace 001 by other code for other measurement ranges as below</p> <p>005 - 5 mH₂O</p> <p>010 - 10 mH₂O</p> <p>020 - 20 mH₂O</p> <p>050 - 50 mH₂O</p> <p>100 - 100 mH₂O</p> <p>200 - 200 mH₂O</p> <p>Please pay attention that the media should be compatible with the contacted parts (housing, diaphragm, cable)</p> <p>For liquid is not water, the output must be scaled to its specific density</p> <p>Two kinds of cable are optional, polyurethane and polyethylene. The default is polyethylene. Polyurethane cable is more flexible and endurable</p> <p>When the product is used in thunder storm area, we suggest the user to use protection device to protect the product and power grounding reliably</p>

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