

MAGNETIC FLOAT LEVEL TRANSMITTER

LT SERIES



Ex d IIB + H₂ T6
工研院字號認證審核中
ITRI/Taiwan certificate examining

The vertical float level transmitter consist of a float with a built in permanent magnet, and guide tube built in many reed switch and resistances becoming a measuring sensor. The float rise up or fall down in liquid inducing measuring sensor to make proportional voltage which combine a V/I converter turn to a 4~20mA DC output signal. To provide a liquid level control function.

Technical Data

Resolution Accuracy: ±12mm standard; ±6mm on request

Material: Wetted parts are available for SS304, SS316, PVC, PP, PVDF; others on request.

Output Signal: 4~20mA DC (500~20 kΩ) 2-wire

Power Supply: 11V~30V DC

Enclosure Housing: Weather Proof; Explosion Proof available

Max. Range: 6000mm (SS316, SS304, PVC, PP, PVDF)

Limit Operating Temperature: -20°C~+100°C

Limit Operating Pressure: 3~30 kg/cm² (please refer to the Float Specification)

LCD Display: available

***HART® Communication:** available

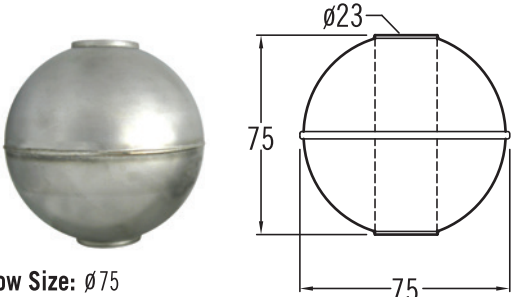
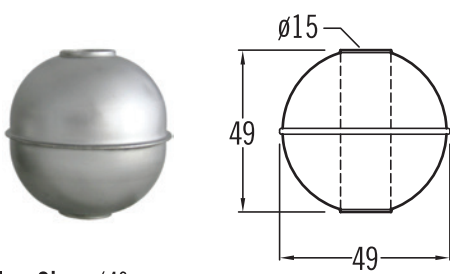
Two Wire Transmitter with HART® Protocol

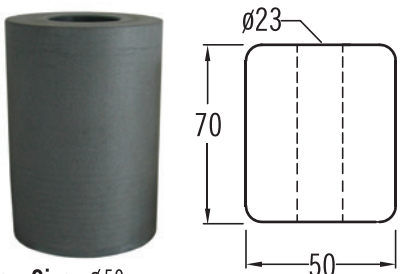
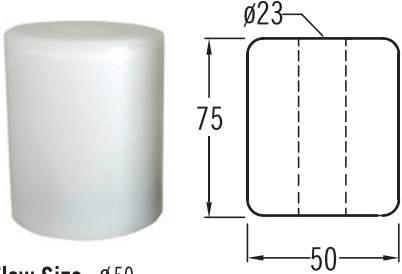
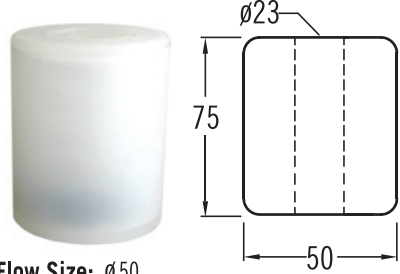
Galvanic Isolation

Suitable for application in SIL 2 installations

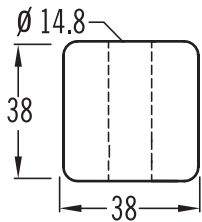
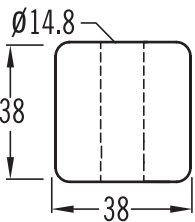


Float Specification

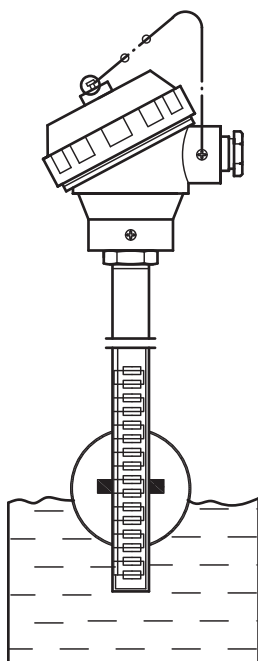
ø75x75mm (SUS316)	ø49x49mm (SUS316)
 Flow Size: ø75 Max. Working Pressure: 30 kg/cm² Working S.G.: ≥ 0.68 The Guide Tube Size: ø20 Material: SUS316 Limited Operating Temperature: -20 ~ 140°C	 Flow Size: ø49 Max. Working Pressure: 30 kg/cm² Working S.G.: ≥ 0.68 The Guide Tube Size: ø12 Material: SUS316 Limited Operating Temperature: -20 ~ 140°C

ø50x70mm (P.V.C)	ø50x75mm (PVDF)	ø50x75mm (P.P)
 Flow Size: ø50 Max. Working Pressure: 3 kg/cm² Working S.G.: ≥ 0.7 The Guide Tube Size: ø18 Material: P.V.C Limited Operating Temperature: 0~70°C	 Flow Size: ø50 Max. Working Pressure: 5 kg/cm² Working S.G.: ≥ 0.8 The Guide Tube Size: ø20 Material: PVDF Limited Operating Temperature: 0~120°C	 Flow Size: ø50 Max. Working Pressure: 3 kg/cm² Working S.G.: ≥ 0.7 The Guide Tube Size: ø21 Material: P.P Limited Operating Temperature: 0~60°C

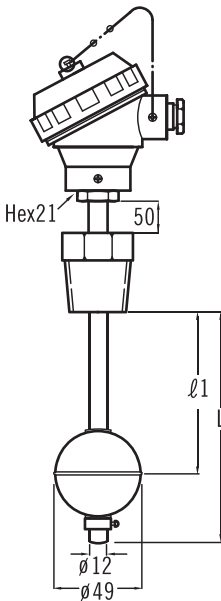
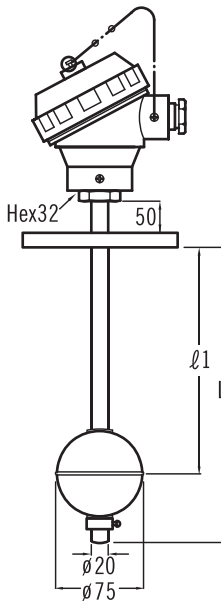
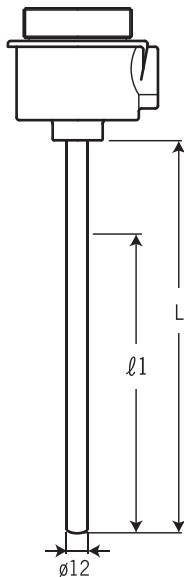
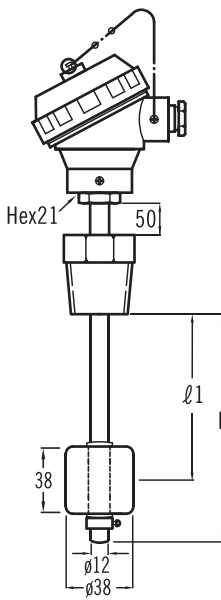
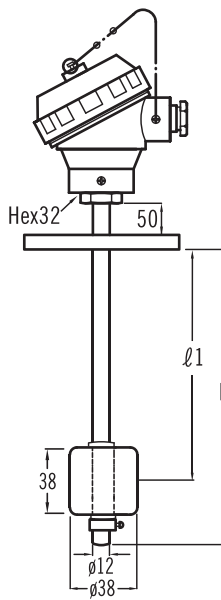
Float Specification

ø 38x38mm (P.P)	ø 38x38mm (PVDF)
  Flow Size: ø 38 Max. Working Pressure: 3 kg/cm² Working S.G.: ≥ 0.7 The Guide Tube Size: ø12, SS316 Material: P.P Limited Operating Temperature: 0~60°C	  Flow Size: ø 38 Max. Working Pressure: 3 kg/cm² Working S.G.: ≥ 0.7 The Guide Tube Size: ø12, SS316 Material: PVDF Limited Operating Temperature: 0~60°C

Dimension



NOTE.
Head Type and Float Size, please refer to the head type and float size table.

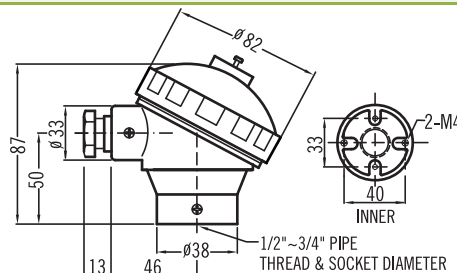
THREAD LTHA Series	FLANGE LTFA Series	WITHOUT CONNECTION LTG Series
		
THREAD LTHB Series	FLANGE LTFB Series	
		



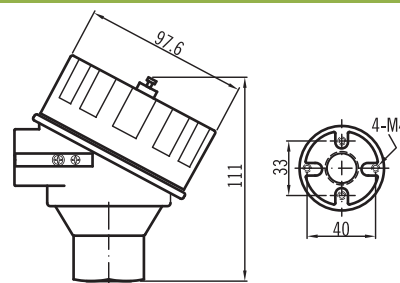
A blue digital flowmeter with a LCD screen. The screen displays '026.45' and '0.1'. The device has a blue plastic housing with 'NEW FLOW' and 'FOR PULS. MEASUREMENT' printed on it. It has two ports on the top and two buttons labeled 'B' and 'A' at the bottom.

HN Type

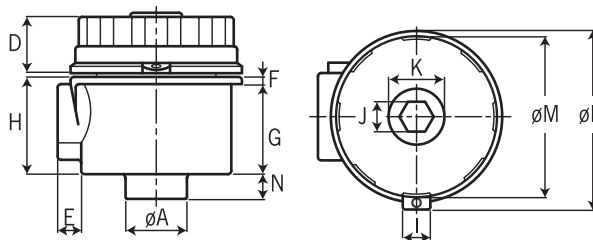
Protection: Weather Proof Type
Material: Polypropylene
Weight: 112g
Protection tube connection:
 ½"NPT, ½"BSP
Extension wire connection:
 ¾"NPT, M20X1.5
 Other specifications are available
 on request.



Material: XDS-SS316; XDA-Aluminum alloy
Weight: XDS-1278 g; XDA-460 g
Protection tube connection:
 ½"PF, ¾"PF, ½"NPT, ¾"NPT
 ½"BSP, ¾"BSP, G½", G¾"
 M20x1.5, M24x1.5, M25x1.5
Extension wire connection:
 M20x1.5, M25x1.5, ½"NPT, ¾"NPT
EC certificate no.: BSI 07 ATEX 1532458U
ATEX directive code: II 2 G D
Standard code: Ex d IIC T6, Ex tD A21
 T100°C IP68
FM Approvals: XP/II/1/ABCD/T6; DIP/II,III/1/1
 Explosionproof for Class I, Division 1, Group
 Class II, III Division 1, Groups E,F and G, ha
 outdoor (NEMA Type 4X).

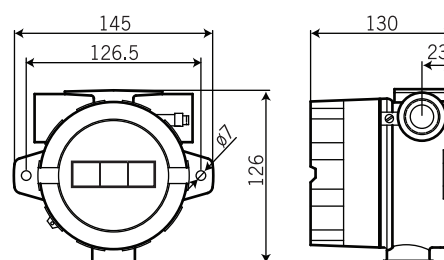


Protection: II 2 GD Ex d IIB+H2 Gb T6 Ex tb IIIC Db T85°C; IP68
Material: CS-SS316; CA-Aluminum Alloy
Extension Wire Connection: Female 1/2", 3/4" PF, NPT and BSP available



Type	Dimensions unit:mm											
	øA	D	E	F	G	H	I	J	K	øL	øM	N
CS	34,7	33	13,8	4,2	52,8	57	13,5	17,5	32,8	102,8	94,5	14,5

Protection: Explosion Proof,
Class II, Groups A, B, C & D;
Class II, Groups E, F & G; NEMA 4X
Material: Aluminum or SS316 available
Extension Wire Connection:
Female ½" or ¾" NPT,
others option available



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