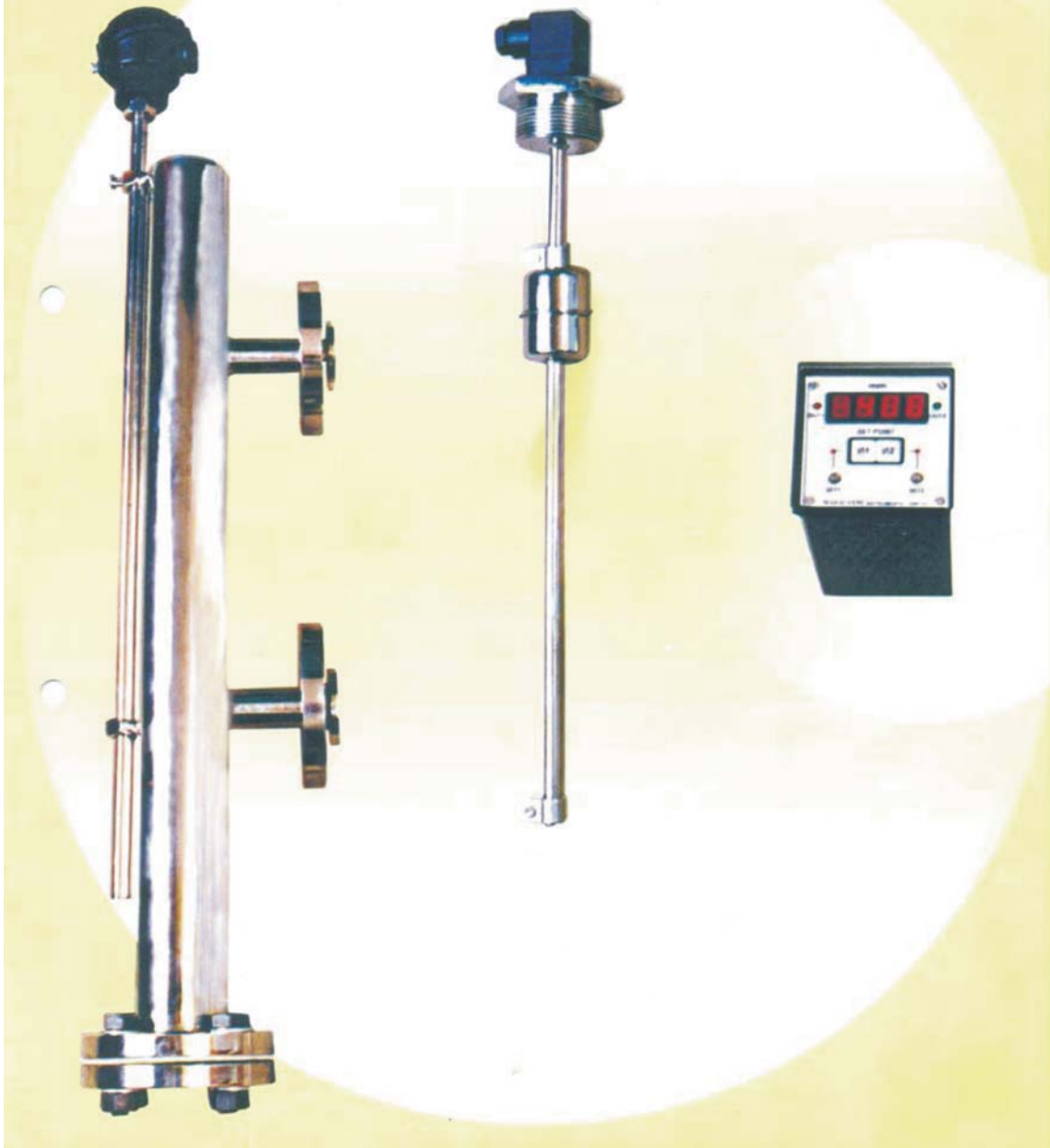


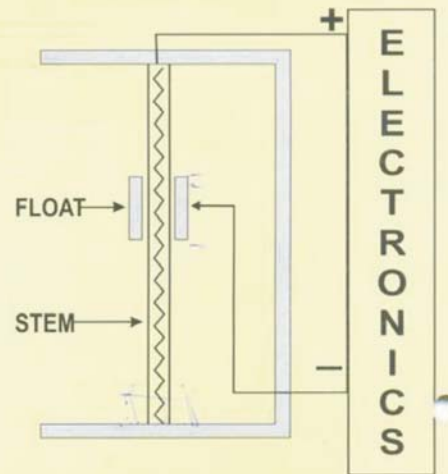
Float Operated Liquid Level Transmitters



Float Operated Liquid Level Transmitters

DIGITAL LEVEL GAUGE :

Digital Level Gauge consists of sensor assembly and an indicator unit. Sensor assembly consists of stem carrying reed switches, resistance chain and magnetic float. The Magnetic float tracks the liquid level, Magnetically activates an array of cascaded reed switches. The reed switches act as the wiper of potentiometer made up by chain of resistors and this change in resistance is sensed by the electronics in the indicator unit and displays the liquid level.



DIGITAL LEVEL GAUGE indicates the level in terms of percentage, in millimeters or in terms of volume.

DIGITAL LEVEL GAUGE requires only 2-core cable from sensor assembly to indicator unit. They are available in wall mounting type or panel mounting type and with only indicator or with alarm facility.

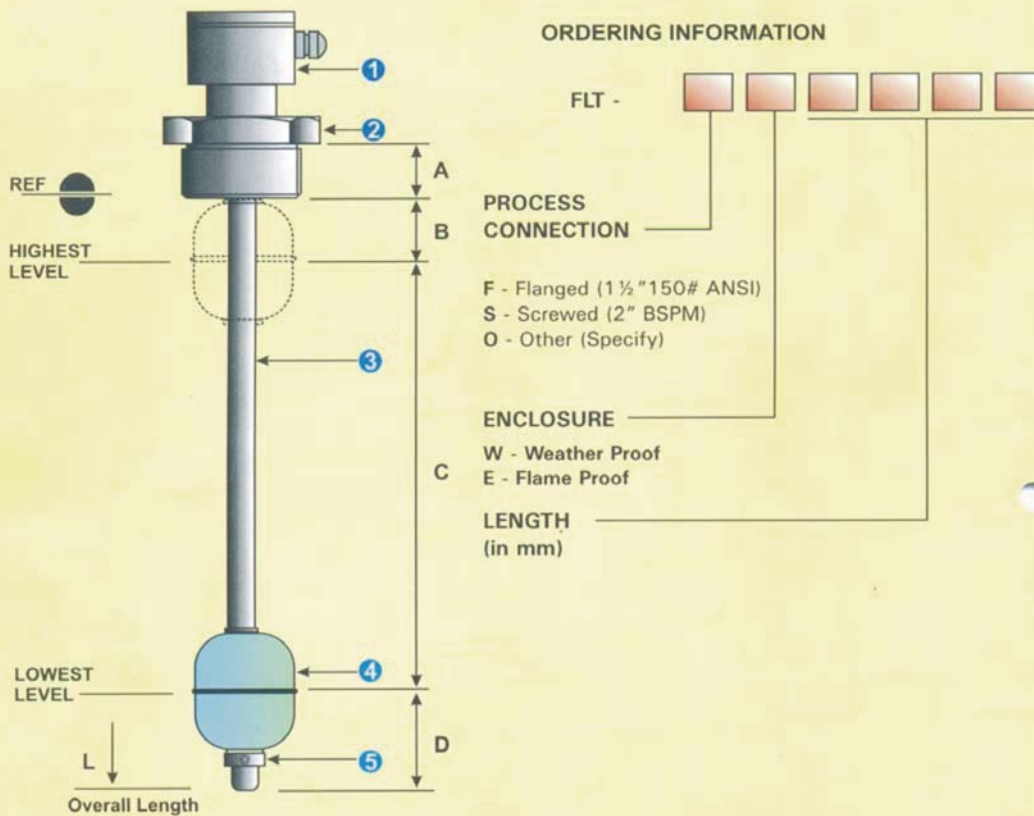
TECHNICAL DATA

Overall Length	: 300 mm to 3000 mm
Measuring Error	: + 0.25% of Span
Output temperature Co-efficient	: + 0.0007% / C
Resolution	: 10mm
Ambient Temperature	: -40°C to 60°C
Liquid Temp. Range	: -40°C to 80°C or upto 300°C
Liquid Min. Density	: 0.75 gm/cc
Max. Pressure	: 10 Kg./Cm ²

Enclosure Protection Category	: Cast Aluminium / SS304 Weather Proof IP.66 (Or) Flame proof Gr.IIA & B to IS 2148
Terminals	: Max. 1.5mm ² Flexible
Cable Entry	: ½" BSP (F) for Weather Proof : ¾" ET for Flame Proof (Glands not Supplied)
Current Output	: 2 Wire, 4....20 mA
Process Connection	: 2" BSP (Threaded) : 1½" ASA 150# (Flanged)
Span Suppression	: Min. 30% of Span
Zero Elevation	: Min. 25% of Span
Excitation Voltage	: 10 - 36 V DC
Loop Resistance	: Max. 1200 OHMs

INDICATOR UNIT

Display	: 3½ Digit, 7 Segment LED
Power Supply	: 230 V AC +10% 50 Hz
Fuse Rating	: 0.1A, 5mmx20mm bottle fuse fast blow.
Housing	: Panel Mounting- (Cut out Size 92x48mm, OR 96 X96 MM)
Output	: 1 or 2 Potential free contacts (C/O)
Contact rating	: 5A @ 230 V AC or 24V DC
Set Point	: Selection through DIP Switches



NOTE : Analog Output : 4 mA @ Lowest Level
: 20 mA Highest Level

- A (Thread Length) Enclosure = 20 mm
- B (Top Dead Band) = 35 mm
- C (Indicating Length) = L - (B+D)
- D (Bottom Dead Band) = 45 mm

- 1 - Aluminium Enclosure
- 2 - Mounting Adaptor
- 3 - SS316 Stem
- 4 - SS316 Float
- 5 - SS316 Float Retainer

Manufactured By :



Mahalaxmi Instruments

Authorised Distributor
MTS Engineers Pvt. Ltd.

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