

Float and Board Indicator

PRINCIPLE

The Float & Board Level Indicators consists of a float connected to a pointer through a rope via a set of pulleys. The pointer glides over a calibrated gauge board, positioned parallel to the tank. The float accurately follows liquid level variations in vertical direction. The float movement is vertical such that the pointer in 'TOP POSITION' when tank is 'EMPTY' and in 'BOTTOM POSITION' when 'FULL'.

Gauge Classification

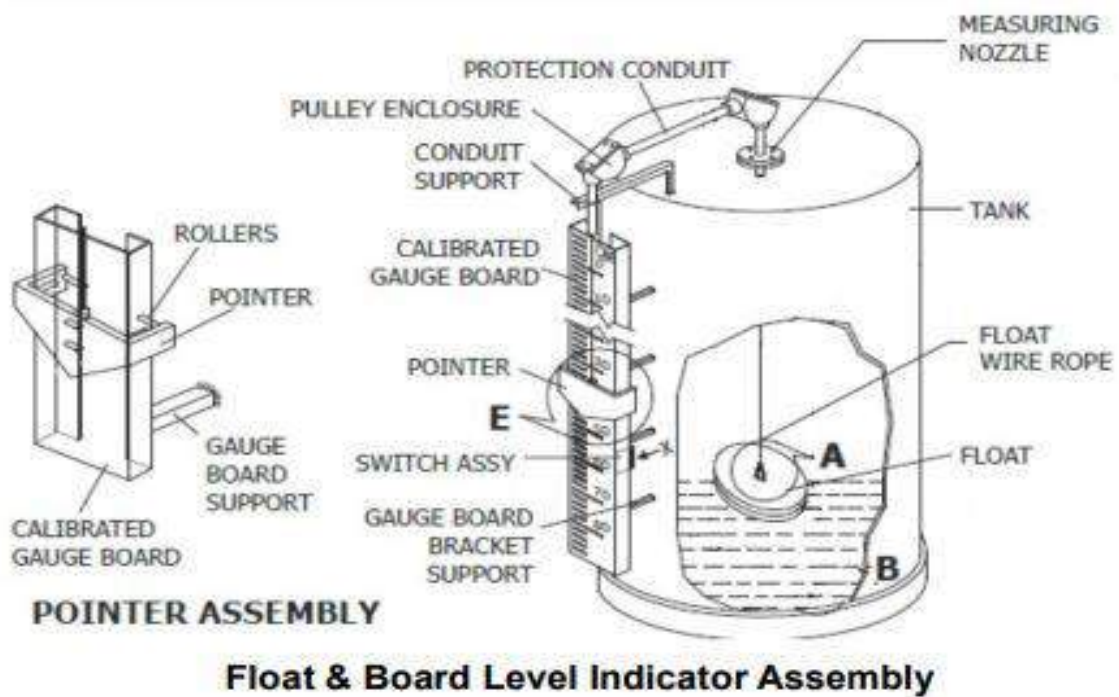
Measuring Range	Up to 25 meters. For more than 25 meters please consult factory
Float	12 or 15 " "
Calibrated Gauge Board	6" wide x Al white powder coating with black graduations & numerals
Least Count	5mm
Maximum Temperature	80°C (PP) / 150°C (SS)
Maximum Pressure	5 Kg/cm ²
Float Wire Rope	Ø1.6mm x SS 316 / SS 304 (multistrand) / Ø6mm x PP (multistrand)
Installation	Grounded Level Tank / Underground Tank (sump) / Overhead Tank
Specific Gravity of Fluid	0.75
Connecting Pipe	Carbon Steel Powder Coated
Local Indication Direct	Powder coated Red CI pointer with Nylon Rollers to provide super smooth movement along gauge board. Pointer Tip indicates 'Level'
Follower Magnet Pulley Assemblies (2 Nos.)	Red Capsule moving inside indicator tube. White annular line on capsule indicates 'Level'. Cadmium Plated Steel Pulley with PTFE bush and SS shaft housed in weather proof CI enclosure.

Protection Conduit

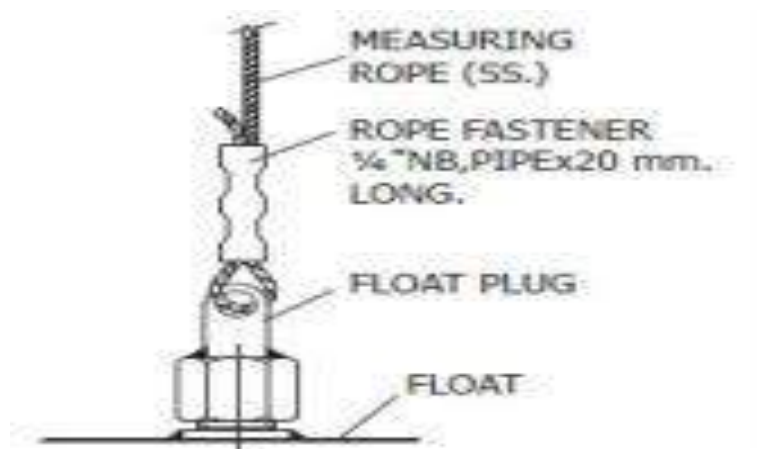
Horizontal Limb	GI pipe 25NB x 400mm to 800mm (adjustable)
Vertical Limb	GI pipe 25NB x 195mm & 100mm long
Process Connections	1" 150#
Gauge Board Brackets	Powder coated MS

Special Features

Seal Pot	For Tanks with vapour pressure upto 600 mm WC or corrosive fumes
Adjustable S/W	Reed S/W - 40VA (N/O), 60VA (C/O), Micro S/W - 5A, 230 VAC (C/O)
Note	Custom made assemblies can be provided for specific applications



Float Assembly



BASIC MODEL

MATERIAL OF PROCESS CONNECTION

- CS = Carbon Steel
- S1 = SS304
- S2 = SS316

MATERIAL OF FLOAT

- S2 = SS 316
- S3 = SS316

MATERIAL OF SCALE

- AL = Aluminum (Standard)
- S1 = SS 304

RANGE

Please specify in mm (e.g. Write 2000 for 2000 mm)

(This indicator will be supplied from 1000 mm up to 20000 mm)

OPTIONS

- AR1 = Adjustable Reed Switch x 1
- AR2 = Adjustable Reed Switch x 2
- AM1 = Adjustable Micro Switch x 1
- AM2 = Adjustable Micro Switch x 2

