



Float & Board Level Gauge with Guide Wires

INTRODUCTION

NK Instruments Pvt. Ltd. Make Guided type Float & Board Guided type Level Gauges are designed for an accurate, reliable & trouble free float operated technique used in large non -pressurized storage tanks where there are chances of turbulent liquid in the tank.

PRINCIPLE

The Guided type 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 horizontal float movement is restricted by two guide wires firmly anchored to tank bottom. As such, 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 Inch or 15 Inch
Calibrated Gauge Board	SS316 x 0200mm & 0350mm
Low Pressure	PP x 0200mm
Medium Pressure	6" wide x Al white powder coating with black graduations & numerical
Least Count	5 mm
Maximum Temperature	80°C (PP) / 150°C (SS)
Maximum Pressure	5 Kg/cm ²
Float Wire Rope	Ø2mm x SS 304 /SS 316 (multistrand) / Ø6mm x PP (multistrand)
Guide Wire Rope	Ø2mm x SS 304 /SS 316 (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	Red Capsule moving inside indicator tube. White annular line on capsule indicates 'Level'.
Pulley Assemblies (2 Nos.)	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 8000mm (adjustable)
Vertical Limb	: GI pipe 25NB x 195mm & 100mm long
Process Connections	: ¾" NB , BS-10 t 'D' flange
Anchor Plate	: SS304 / SS316 plate (25mm x 6mm thick)
Gauge Board Brackets	: Powder coated MS
Wire Fasteners	: SS304 / SS316

Address : 501-504, Raunak Arcade, Naupada, Gokhale Road, Thane (W) - 400602

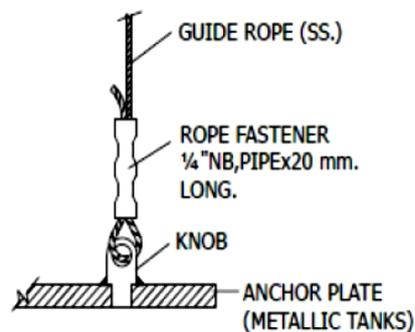
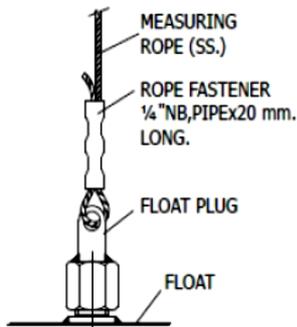
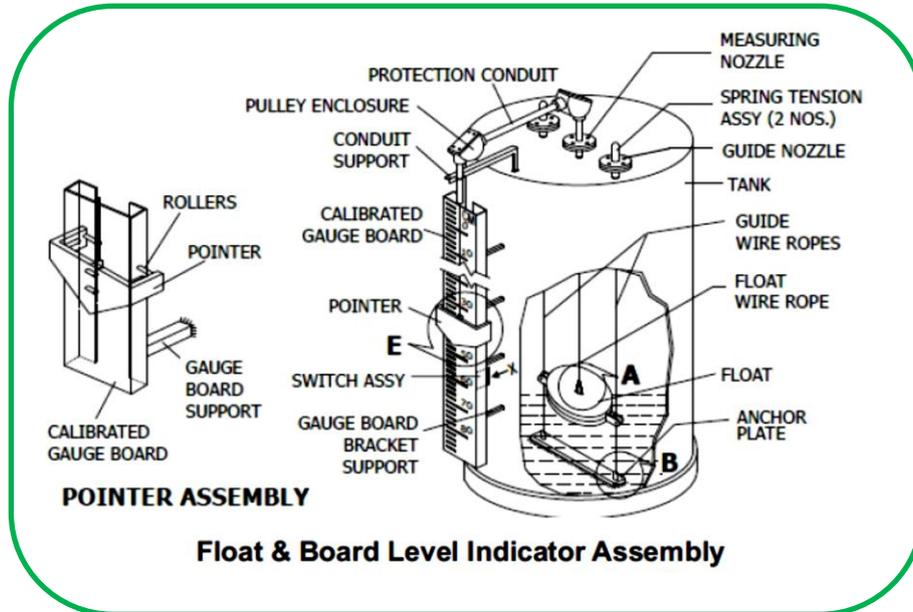
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Special Features

- Seal Pot** : For tanks with vapour pressure up to 600mm 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



Continuous efforts for product development may necessitate changes in these details without notice

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