

Float & Board Level Indicator without guide wires

INTRODUCTION

NK Instruments Pvt. Ltd. make Non Guided type Float & Board Level Indicators are designed for an accurate, reliable & trouble free float operated technique used in large non -pressurized storage tanks. It is suitable for the installations in the tanks where there is no turbulence in the liquid.

PRINCIPLE

Direct Indication

The Non Guided 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 as such, the pointer in 'TOP POSITION' when tank is 'EMPTY' and in 'BOTTOM POSITION' when 'FULL'.



GAUGE CLASSIFICATION

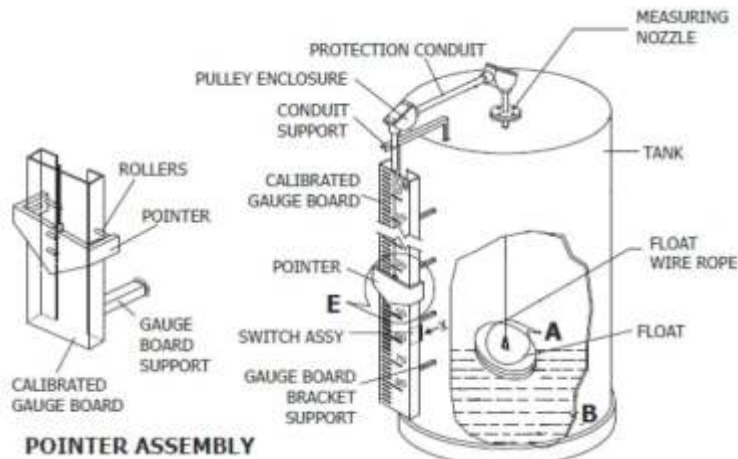
Measuring Range	: Up to 25 meters. For more than 25 meters please consult factory
Float	: 12 Inch or 15 Inch
Calibrated Gauge Board	: 6" wide x Al white powder coating with black graduations & numerical
Least Count	: 5mm
Maximum Temperature	: 80°C (PP) / 150°C (SS)
Maximum Pressure	: 5 Kg/cm ²
Float Wire Rope	: 01.6mm x SS 304 / SS 316 (multistrand) / 06mm 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

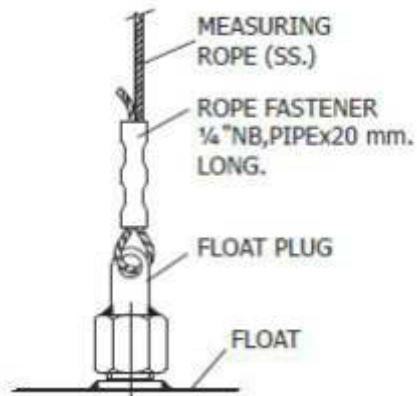
Horizontal Limb	: GI pipe 25NB X 400MM To 800MM (adjustable)
Vertical Limb	: GI pipe 25NB X 195MM & 100MM long
Process Connections	: 1" Flanged 150#
Gauge Board Brackets	: Powder coated MS

SPECIAL FEATURES :

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



FLOAT & BOARD LEVEL INDICATOR ASSEMBLY WITHOUT GUIDE WIRES



FLOAT ASSEMBLY

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

Authorised Dealer



NK Instruments Pvt. Ltd.

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