



Grown...to meet challenges

30+ years in Level & Speed



Float & Board Type Level Indicator

Solutions to Liquid Related Problems



SAPCON INSTRUMENTS PVT. LTD.

An ISO 22000 company

131 Palshikar Colony, Indore, Madhya Pradesh, PIN 452004, India

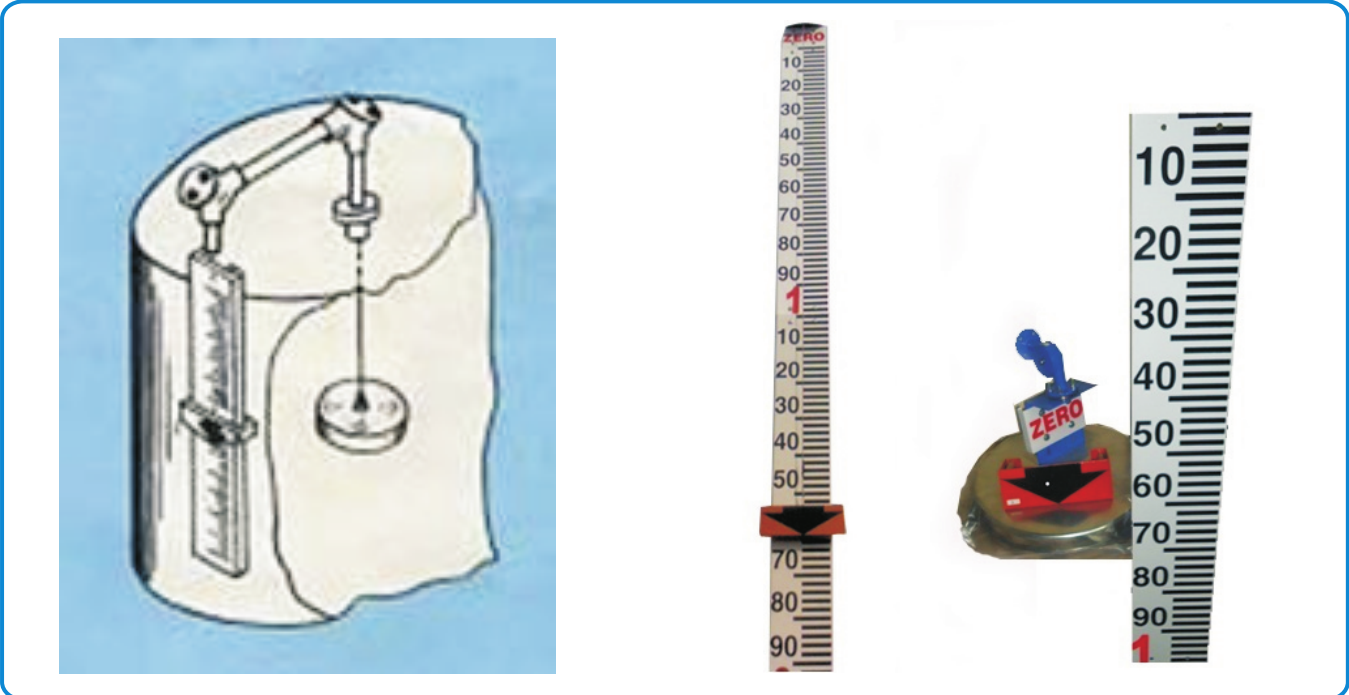
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- In our Model 04 and 16 indicates material of construction SS 304 and 316 respectively.
- F65,F92 etc denote the PCD of process connection flange. For e.g. 2" ASA 150 Lbs flange connection denoted by F120.
- AW-denotes terminal enclosure material Aluminium Weatherproof to IP 55.
 - For Flameproof in the model denote it by FLP instead of AW. Cast aluminium flameproof/weather proof enclosure conforming to IS 2148 of 1968, group II A & B gases, approved by CMRI.
 - For stainless steel 304 enclosure denote by SS.
 - For plug & Socket denote by PG9 instead of AW. (This type of terminal enclosure is provided only where output is Resistance)
 - For Nylon cable gland denote by CG. With Nylon cable gland 1.5 metre 3 core PVC/PVC cable shall be provided. (This type of terminal enclosure is provided only where output is Resistance)

Salient Features

- Reedschwitches are hermetically sealed-in glass under an inert gas and therefore protected from contamination.
- Reedschwitches used by us are suitable for maximum working voltage of 150 VDC and current 1 Ampere. But in our circuitry they are subjected to maximum of 3 VDC and current 1 mA in case of resistance output and maximum of 24 VDC and 20 mA when used in conjunction with a signal conditioner for current output. This ensures long life of the product.
- Reedschwitches are UL approved and ISO certified for quality management.
- Operating temperature range of reedschwitches are -40 deg. C. to 125 deg. C. The stainless steel float-guide pipe, containing the PCB of reedschwitches and resistances, is solidly filled with MgO Powder. Hence this is suitable for subzero temperatures.
- Reedschwitches are protected against mechanical damage and contact corrosion & vibration.
- Since an outer protection tube is provided (for applications like LPG, where external cage is not possible) the reedschwitch sensor assembly can be replaced without disturbing the process.
- Since the float is of 200mm dia with specific gravity -0.4 (for LPG) it will have higher buoyant force. For standard applications float shall be of 48 mm Or 68 mm in diameter.
- Above all float is the only moving part. No wear and tear.





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