

## Cable Float Switch

The MAC3 level regulator is a float switch which allows electrical equipment to start and stop automatically (usually pumps, but also electric control valves, alarms, etc.) when a prefixed level has been reached. The most essential characteristic of this product is its high reliability and its shape which has no edges, for which it is particularly suitable for sewage water. Also of great interest is the fact that it is made with a double liquid proof chamber which assures the maximum reliability of the inside mechanism.



## Capacitance Type Level Transmitter

Capacitance type level transmitter consists of Stainless-steel shield, Teflon coated stainless steel electrode, stainless steel mounting adaptor and flameproof cast aluminium enclosure containing electronics. Length up to 3 meters, Stainless Steel and Teflon Wetted parts, Analog Output, Field Calibration & Non-Conductive Liquids.



## Float Operated Level Transmitter

Float Operated Liquid Level Transmitter consists of nonmagnetic sealed stem containing series of reed switches and resistors, float carrying magnet, mounting adaptor (or flange) and enclosure containing electronics. Length up to 3 meters, Stainless Steel and Teflon Wetted parts, Analog Output, Field Calibration.



## Level Indicator Cum controller

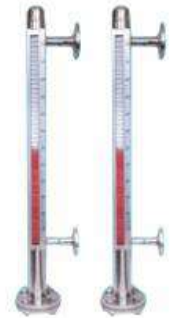
Tank top mounting type Digital temperature / level indicator cum controller is used to indicate and control both temperature and level of liquid mainly for hydraulic oils, in machine tools industry. Digital temperature / level indicator cum controller incorporates PTFE I PVDF insulated sense electrode, stainless steel guard electrode, passivated MS mounting flange / adapter and ABS plastic enclosure which houses the electronics and 8 core cable for external electrical connections. Solid state temperature transducer is housed at bottom of sense electrode and its output is proportional to the surrounding liquid temperature and the same is converted and indicated in °c. Capacitance variation between sense electrode and guard electrode which is proportional to the liquid level between the two electrodes is converted in to electrical signal using unique mixed signal technology and indicated in % between two marked locations. Two programmable set points are provided for temperature and level for external control. Indicator can be programmed to display either temperature / level alternatively or only temperature / level. Optional analogy output type is available with 4...20 mA output or 0....10V DC output.



## Magnetic Level Indicator

### FEATURES:

- Compatible alloy selection for wetted parts provide years of maintenance free service.
- Monitored liquid contained inside pressure tight housing provides environmental safety.
- Optional external point level switches and/or continuous level transmitters extend capabilities beyond visual indication.
- Continuous level indication without external power.



### CONSTRUCTION AND OPERATION:

Magnetic Level Indicator consists of nonmagnetic float containing permanent magnet system within a chamber with provision for process connection. Float within chamber tracks the liquid level.

The magnet system of float is coupled to two types of external indicators viz.

- a) Capsule Type
- b) Flapper Type.

## Magnetic Proximity Switch

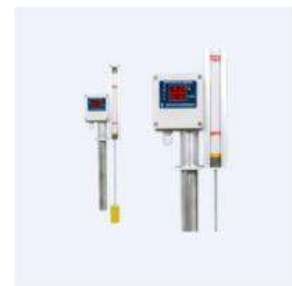
These switches are housed in nickel plated brass housing, semi translucent acrylic face and brass nuts.

**Application:** Used with our oil level gauge series instruments. In case these switches are used other than above mentioned application, Compatibility to be verified before selecting the same. Please consult us for further information on application other than oil level gauges series instruments.



## Temperature And Level Controller With OLG

Tank top mounting type Digital temperature and level indicator / controller with oil level gauge is used to indicated and control both temperature and level of hydraulic oils in machine tool industry. Digital temperature and level indicator / controller with oil level gauge incorporates PTFE / PVDF insulated sense electrode, stainless steel gauge electrode, passivated MS mounting flange and ABC plastic enclosure with houses the electronics and 6 core cable for external electrical connections. Oil level gauge consists of polyurethane foam float, aluminium profile structure and clear acrylic tube. Solid state temperature transducer is housed at bottom of sense electrode and its output is proportional to the surrounding liquid temperature and the same is converted and indicated in °C. Capacitance variation between sense electrode and guard electrode which is proportional to the liquid level between the two electrodes is converted in to electrical signal using unique mixed signal technology and indicated in % between two marked locations. Two programmable set points are provided for temperature and level for external control. Indicator can be programmed to display either temperature / level alternatively or only temperature / level.



## Vertical Float Switches

The magnetic float switch consists of non-abrasive float carrying permanent magnet and non-ferrous stem carrying one or two reed switches. The float glides along the stem and when the float nears the vicinity of reed switch the magnetic field of permanent magnet forces the reed contact to close, thereby completing the external electrical circuit

### APPLICATIONS:

Due to its simple design, reliability and with only one moving part i.e., magnetic float, it finds applications in various liquids where accurate and repeated liquid level control is called for. However, the float switches do not work satisfactorily in highly contaminated liquids and liquids with the high viscosity. This type of float switches is suitable for centralized lubrication systems for machine tool, printing, packaging, packaging, textile and special purpose machines.



## Oil Level Gauge with Temperature Indicator

Tank top mounting type oil level gauge with temperature indicator is used to indicate and control both liquid level and temperature of liquid mainly hydraulic oil in machine tool industry. Oil Level gauge with temperature indicator incorporates PU float, Aluminium profile structure, polycarbonate transparent tube, optional switch mounting adapters, electronics and ABS plastic enclosure for temperature indicator. Magnet carrying piston is connected float through indicating rod, which move within polycarbonate tube thereby indicating the liquid level in the tank. Piston can actuate either magnetic reed-based sensor switch (order separately) or standard M18, 8mm sensing range inductive proximity switch for both type sensor switches order; eve; gauges with switch mounting adapters. Stainless tube running along oil level gauge into the tank contains solid state temperature transducer, and the same is connected to electronics housed in enclosure. Electronics will display and control temperature of oil or liquid in the tank.



## VFS with Temperature Indicator

These instruments consist of non-abrasive Float carrying permanent magnet and non-ferrous stem carrying one or two reed switches and Solid-state temperature transducer. The float glides along the stem and when the float nears the vicinity of reed switch the magnetic field of permanent magnet forces the reed contact to close, thereby completing the external electrical circuit. Temperature transducer converts the temperature into low level electronic signals which are amplified and temperature is displayed in engg. units in the enclosure. Due to its simple design, reliability and with only one moving part i.e., magnetic float, it finds applications in various liquids where accurate and repeated liquid level control & temper nature control is called for. However, the float switches do not work satisfactorily in highly contaminated liquids and liquids with high viscosity. These types of float switches are suitable for centralised lubricating systems and hydraulic oils for machine tools, printing packing, textile and special purpose machines.

