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# Magnetic Float Liquid Level Sensors & Switches Catalog (LS Series)

Vertical & Horizontal Mount Float Switches in PP, PVDF, NBR & Stainless Steel

## Product Overview

Misensor LS Series liquid level switches consist of a hermetically sealed reed switch stem and a magnetic float. As the liquid level rises or falls, the internal magnet in the float actuates the reed switch to provide reliable high/low level alarm or pump control with zero standby power consumption.

## Key Features

- Food-grade PP, chemical-resistant PVDF, NBR & SUS3...
- Reversible N.O. / N.C. contact action by inverting...
- Single-point or multi-point level detection up to ...
- 10W (low voltage PLC) and 50W/70W (high load) swit...
- Operating temperatures from -40°C up to +125°C (SU...

## Typical Applications

- Drinking water dispensers, coffee machines & steam...
- HVAC condensate pans, humidifiers & dehumidifiers
- Chemical tanks, hydraulic reservoirs & industrial ...
- Automotive coolant expansion tanks & washer fluid ...

## Technical Specifications & Model Selection

| Model | Mount Orientation | Stem / Float Material | Stem Length | Max Power | Max Voltage | Operating Temp |
|---|---|---|---|---|---|---|
| LS01 | Vertical (M8) | PP / PP | 37mm | 10W / 50W | 200V DC | -20°C to +80°C |
| LS02 / LS02S | Vertical (M8) | PP / PP or NBR | 43mm | 10W / 50W | 200V DC | -20°C to +80°C |
| LS03 | Vertical (M8) | PP / PP or NBR | 53mm | 10W / 50W | 200V DC | -20°C to +80°C |
| LS04 / LS05 | Vertical (M10) | PP / PP or NBR | 75mm / 100mm | 10W / 50W | 200V DC | -20°C to +80°C |
| LS06 / LS07 | Horizontal Side | PP / PP | Side Mount | 10W / 50W | 200V DC | -20°C to +80°C |
| LS08 | Horizontal Bend | PP / PP | M10x98mm | 10W / 50W | 200V DC | -20°C to +80°C |
| LS09 / LS10 | Vertical (M10) | SUS304 / SUS304 | 45mm-500mm | 10W / 50W | 200V DC | -30°C to +125°C |
| LS11 / LS14 | Vertical / Side | PP or SUS / NBR | 55mm-250mm | 10W / 50W | 200V DC | -30°C to +105°C |