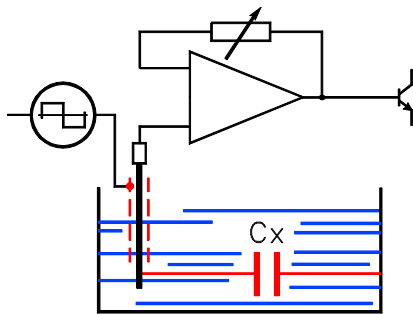
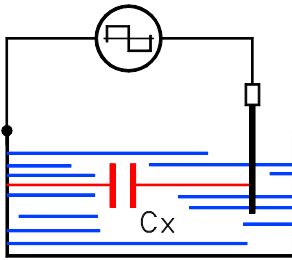


TECHNOLOGY



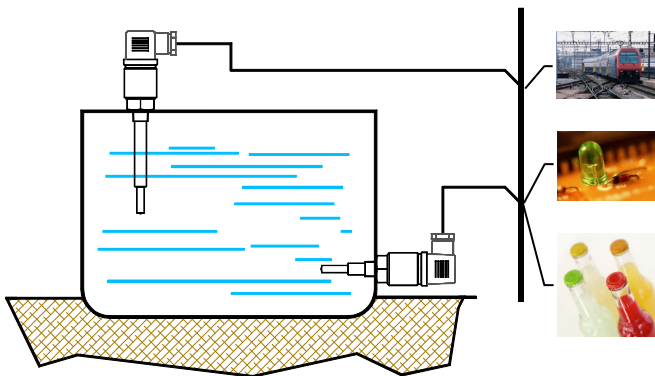
Electrode

The electrode, properly insulated and PTFE-coated in order to prevent malfunctions due to incrustation, when immersed in a liquid and powered by alternating current, acts as the armature of a capacitor whose capacity depends on the liquid itself.

Electronics

A power supply provides an **alternating current** to the electrode responsible for level detection. The system measures the electric capacity of the liquid to be controlled with low potential and with alternating currents. The control electronics is integrated in the body of the probe. An electronic circuit carries a transistor into conduction, which can be used for the actuation of relays or signal lamps.

FIELDS OF APPLICATION



- Level monitoring of liquids, in tanks even small in size.
- Activation of audible or visible alarm
- Starting and stopping pumps
- Dosing and mixing
- Control of drinking water on boats
- Beverage Industry, control of, whether or not colored translucent liquids.
- Water treatment plants.

ADVANTAGES

- Simple structure device.
- Sizing of the electrode on customer requirement.
- Long service life.
- Maintenance free.
- Built-in electronics

TECHNICAL DATA

Concept	Electrical capacity measurement
Process connection	1/4" o 1/2"
Type of connection	Threaded - NPT
PN	PN25
Media temperature range	- 30°C ÷ +125°C
Output signal	NPN - ON or OFF
Switch points	As per electrode length
Materials	Brass – Stainless steel

EXECUTIONS

- **IP65 Protection**
DIN 43650A Plug
- **IP65 Protection**
M12x1 Plug