



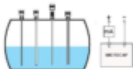
- Connection two wires (8 to 20 mA)
- Circuit with microprocessor
- Easy to program
- LED screen
- Incorporates current simulator
- Different kind of probes
- High temperature version
- Electronic board



## DESCRIPTION

MICROCAP level transmitters are based on the electrical capacity that produces between a measurement probe and the liquid to be measured.

As the liquid reaches the probe, the capacity changes. An electronic circuit measures this change and converts them in a 4 to 20 mA signal.



The MICROCAP capacitive level transmitter range is divided by four technical models:

## MICROCAP0

- Probe in PTFE for general applications.

## MICROCAP1

- Probe in PTFE with stainless steel ground tube. To be used in [www.omega.com](http://www.omega.com).

## MICROCAP15

- Probe in PTFE and expanding brass (resistance temperature until 50°C).

## MICROCAP25

- Stainless probe in PTFE to non metallic tanks containing aggressive liquids.

All models incorporate in the housing the **SMERIS** new connecting method. This method connects the electronic circuit with the connection terminals.

## EASY PROGRAMMING

1. Only the board is to be programmed. The board is already programmed by the manufacturer.

2. The microprocessor automatically starts the calibration process.

3. Access the liquid level the transmitter will display the liquid volume in litres, dm<sup>3</sup>.

4. Select the value you want to be the 4 mA output.

5. Select the value you want the 20 mA to output.

6. Select the value you want the 20 mA output to be (0 to 4).

7. The screen will display the level and the output depending on the level.

8. The screen will display the level and the output. To be in the range of 0 to 20 mA.

**LEVEL ADJUST**  
Enter the actual level in probe  
+ and - (0.00% - 10%)

Calibrating (litres)  
for the level  
(dm<sup>3</sup>)

**LEVEL ADJUST**  
Enter the actual level in probe  
+ and - (0.00% - 10%)

**OUTPUT ADJUST**  
Others do you want the 4 mA output?  
+ and - (0.00% - 10%)

**OUTPUT ADJUST**  
Others do you want the 20 mA output?  
+ and - (0.00% - 10%)

**SET ADJUST** (0 to 4)  
Enter the value you want  
0 to 4  
+ and - 1 - 10%

**049.8 %**  
**12.04 mA**

**LEVEL ADJUST**  
Set - 10%  
+ and - 0.00% - 10%