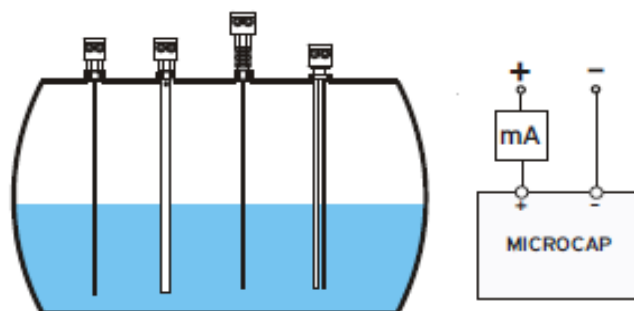


- Connection two wires (4 to 20 mA)
- Circuit with microprocessor
- Easy to program
- LCD screen
- Incorporates current simulator
- Different kind of probes
- High temperature version
- Electronic insert



DESCRIPTION

MICROCAP level transmitters are based in the electrical capacity that produces between a measurement probe and the tank's wall. As the liquid reaches the probe, this capacity changes. An electronic circuit measures this changes and converts them in a 4 to 20 mA signal.



The MICROCAP capacitive level transmitter range, is formed by four basic models:

MICROCAP.N

--Probe in PTFE to general applications.

MICROCAP.T

--Probe in PTFE with stainless steel ground tube. To be used in NON METALLIC tanks.

MICROCAP.TE

--Probe in PTFE and squandering thread to process temperature until 125°C.

MICROCAP.DS

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

All models incorporate in the housing the MODCAP new connecting module. This module contains the electronic circuit with the connection terminals.

EASY PROGRAMMING

1. Using the keyboard, indicate the minimal level that there is in the probe when you are programming.

```
AJUST NIVEL BAJO
Indicar el nivel
actual en sonda
+ y -!049.8%→OK
```

2. The microprocessor calibrates the probe adapting it to the product and to the tank.

```
Calibrando
SONDA
Para nivel bajo
.....ESPERE.....
```

3. Increase the liquid level the maximum you can. Using the keyboard indicate in % this value.

```
AJUST NIVEL ALTO
Indicar el nivel
actual en sonda
+ y -!70.4%→OK
```

4. Indicate where you want the 4mA in the probe.

```
AJUSTE DE SALIDA
¿Donde desea la
salida de 4mA ?
+ y -!090.0%→OK
```

5. Indicate where you want the 20mA in the probe.

```
AJUSTE DE SALIDA
¿Donde desea la
salida de 20mA ?
+ y -!010.0%→OK
```

6. Program between 0 and 4 the filter level you want to avoid oscillations caused by waves.

```
FILTRO DE MEDIDA
Indicar el nivel
de filtraje 0-4
+ y -!1 →OK
```

7. The screen will indicate the % level and the output corresponding to this level.

```
049.8%
12.04mA
```

Using this option, you can to generate 4 to 20 mA (jumping 1 mA) in the loop, to make tests.

```
SIMULAR SALIDA
Volver lect. →ESC
+ y -!04 mA→OK
```

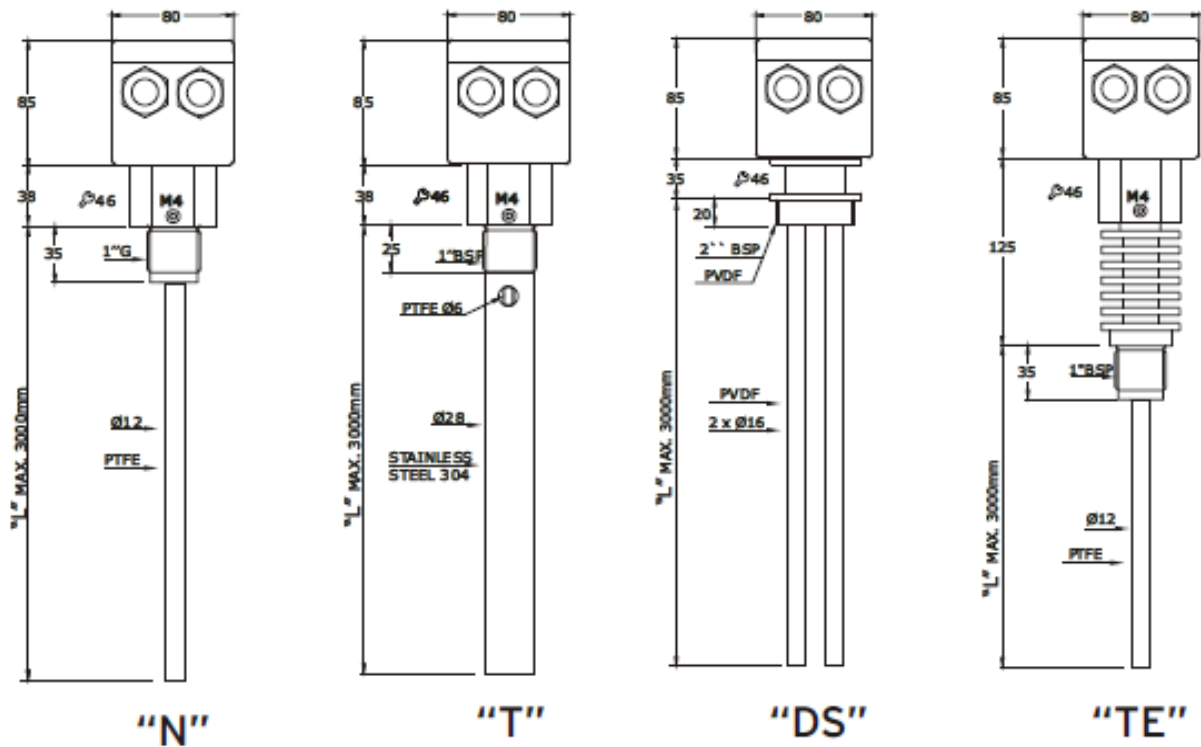
TECHNICAL DATA

- Power supply: 10 to 35 Vdc
- Output 4 to 20 mA (2 lead wire connection)
- Measure order until 1000 pF
- Display LCD
- Stainless steel thread 1" BSP (2" BSP in MICROCAP.DS)
- Polycarbonate housing IP 65
- Environment Temperature: -10 a 60 °C
- Process Temp. : max. 90°C (125°C in model TE)
- Cable Glands: 2 x M20
- Protection to polarity changes in Vdc
- Probe in PTFE for models N, TE and DS.
Concentric stainless steel model T.



MICROCAP MODULE

The MICROCAP connecting module, contains the electronic circuit controlled by microprocessor, the LCD screen, the connection terminals and the programming keys. Following the screen instructions, is very easy to adjust the lead. With the option SIMULAR SALIDA, you can generate in the supply loop a current 4 to 20 mA to make the tests you need.



Distribuidor:

CT 0025