

SOFREL CNP

WATER LEVEL AND PRESSURE SENSORS

Level and pressure measurements for drinking water and purification



BENEFITS

- **Adapted sensors for every type of measurement**
 - Level and pressure measurements for drinking water
 - Level and pressure measurements for waste water
- **A complete range**
 - CNPi : underwater sensor for measuring drinking water levels in reservoirs, boreholes, etc
 - CNPr : onnectable sensor for measuring pressure in piping
 - CNPa : underwater sensor for specialised purification or charged water for measuring level in lift station tanks or retention basins

Guarantee

3 year

Optimised remote management

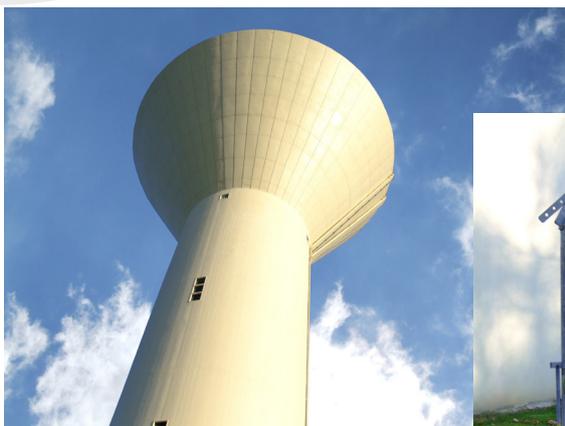


Simplicity



PRODUCT FEATURE

- **Robust and precise**
- **Specially designed to work best with facilities equipped with SOFREL Remote Terminal Units**
- **Protected against overvoltage**
- **Excellent long term stability in measurements**
- **Reliable and affordable solution**
- **Perfectly adapted to Telemetry and Scada**



Sofrel
LACROIX



SOFREL CNPi : piezoresistive underwater pressure sensor with stainless steel membrane for purified water

• Features

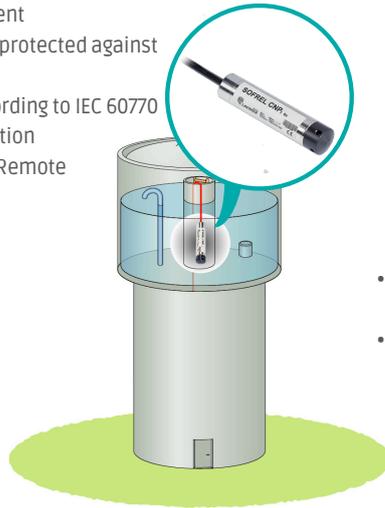
- 4-20 mA output 2 wires
- 7 to 30 VDC power supply
- Temperature from -10°C to +70°C
- Relative pressure measurement
- EPR cable with capillary tube, protected against water infiltration
- Precision < +/-0.35% FSO according to IEC 60770
- Integrated overvoltage protection
- Low consumption for SOFREL Remote Terminal Units
- ACS Certificate

• Standard models

- 6m measure with 9m cable
- 10m measure with 13m cable

• Tailored model on request

- 1m to 250m with cable at requested length



SOFREL CNPr : piezoresistive pressure sensor for DIN 3852 gas 1 4 inch link with high-quality stainless steel membrane for purified water

• Features

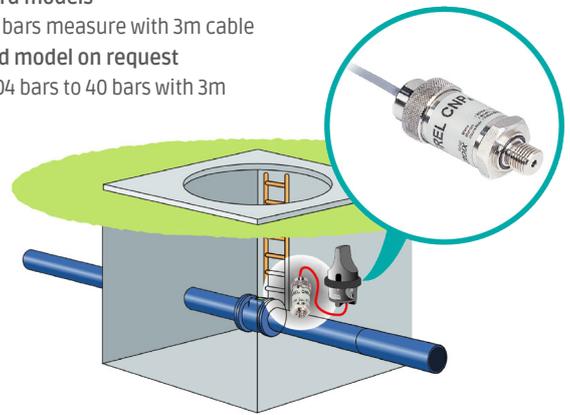
- 4-20 mA output 2 wires
- 7 to 30 VDC power supply
- Temperature from -25°C to +85°C
- Relative pressure measurement
- EPR cable with capillary tube, protected against water infiltration (IP68)
- Precision < +/-0.35% FSO according to IEC 60770
- Integrated overvoltage protection
- Very resistant to high pressure (60 bars for the 16 bars model)
- Specialised low consumption model for SOFREL Remote Terminal Units

• Standard models

- 16 bars measure with 3m cable

• Tailored model on request

- 0.04 bars to 40 bars with 3m



SOFREL CNPa : submersible pressure sensor with capacitive ceramic membrane, perfect for use on used or charged water

• Features

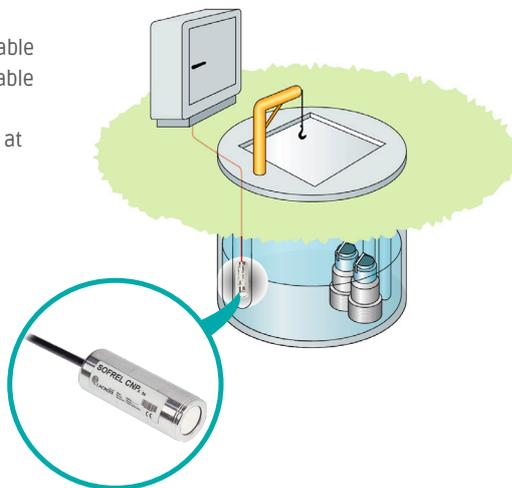
- 4-20 mA outputs 2 wires
- 9 to 36 VDC power supply
- Temperature from -10°C to +70°C
- Relative pressure measurement
- PUR cable with capillary tube, protected against water infiltration
- Precision < +/-0,35 % FSO according to IEC 60770
- Integrated overvoltage protection
- Specialised model for wastewater applications

• Standard models

- 3m measure with 10m cable
- 6m measure with 15m cable

• Tailored model on request

- 0,4m to 100m with cable at requested length



Clamping tool CNPi and CNPa

• Features

- Stainless material
- Cable diameter 5.5 à 10.5 mm
- Dimension 175 x 55 x 25 mm



EN 61 326:
Norme matériels
électriques de mesure
et de commande