





# Pressure sensors

*CE Approved*

## PRE Series Range 1÷20 Bar - External use

	Output	Case	Current output		Tension output			
			Code	Bar	Code	Bar	Code	Bar
	With solenoid connector DIN 43650 - ISO 4400	Stainless Steel-ABS	PRE53XXA..	*	PRE53XXC..	*	PRE53XXE..	*
		Brass - ABS	PRE03XXA..	*	PRE03XXC..	*	PRE03XXE..	*
	With Male Delphi connector	Stainless Steel-ABS	PRE51XXA..	*	PRE51XXC..	*	PRE51XXE..	*
		Brass - ABS	PRE01XXA..	*	PRE01XXC..	*	PRE01XXE..	*
	With cable type (1)	Stainless Steel-ABS	PRE52XXA..	*	PRE52XXC..	*	PRE52XXE..	*
		Ottone - ABS	PRE02XXA..	*	PRE02XXC..	*	PRE02XXE..	*
	With cable type (2)	Stainless Steel-ABS	PRE50XXA	*	PRE50XXC..	*	PRE50XXE..	*
		Brass	PRE00XXA..	*	PRE00XXC	*	PRE00XXE..	*


\* Pressures available 1 - 2 - 5 - 10 - 20 bar

When ordering please specify the required pressure and cable type and length

Cable type (1) PVC (3 x 0,75) PRE models only

Cable type (2) Polyurethane (5 x 0,20 shielded with compensation hose)

## PRS Series Range 0,5÷2 Bar - Submersible up to 2 Bar max. (20 m.)

	Output	Case	Current output		Tension output					
			Code	Bar	Code	Bar	Code	Bar		
	With cable	Stainless Steel	PRS50XXA..	0,5	PRS50XXC..	1	PRES50XXE..	0,5		
				1				2	1	2
				2				2	2	2
		Brass	PRS00XXA..	0,5	PRS00XXV..	1	PRS00XXE..	0,5		
				1				2	1	2
				2				2	2	2

When ordering please specify the required pressure and cable type and length

PVC 8 mm. cable (3 x 0,22 + compensation hose)

Polyurethane cable IMC (5 x 0,20 + screen and compensation hose)

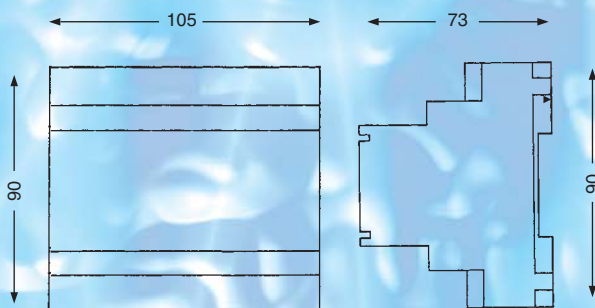
# Sensopress<sup>®</sup> LCD Special

*Direct read-out electronic level gauge regulator with display interface*

Sensopress is a high technology gauge and electronic level regulator that can be used in sandy drinking water, in liquid food-stuffs or, with the use of proper system solutions, in dirty water or corrosive liquids. Measurement is made by a very sensitive pressure sensor, whose signal, which is transformed and processed by a microcontroller, is converted into "water column height", measured in centimeters.

The front panel of the Sensopress is equipped with a LCD display, on which all the information, relative to the device, is visualized, as well as three function keys for interaction and parameter modification, as well as establishing the intervention points in which to activate or deactivate a control relay of any powered appliance (such as a pump, motor) or indicator (lights, alarms etc.).

Type	Sensopress LCD Special	
Code	TSL20X0100	TSL20Y0100
Power supply	117V~/ 50÷60Hz	230V~/ 50÷60Hz
Power consumption	5,5VA	
Monitoring	LCD 2x16	
Operating temperature	0 °C ÷ + 50 °C	
Storage temperature	-10 ÷ + 60 °C	
Field of measurement	0 ÷ 9 m H <sub>2</sub> O	
Max overpressure	20 m H <sub>2</sub> O	
Measuring accuracy	± 1% f.s.	
Resolution	1 cm H <sub>2</sub> O	
Minimum differential	2 cm H <sub>2</sub> O	
Output relay	10A 250V~	
Channels	n° 1	
Housing	NORYL UL 94 VO	
Dimensions	mm 105x90x73	
Weight	gr. 450	
Weight with sensor	gr. 1290	
Sensor	USBP52F10	
Protection grade	IP 20	



#### Sensor for Sensopress LCD Special

Housing	STEEL	BRASS
Code*	PRS50B1A1M20	PRS00B1A1M20
Operating principles	Monolithic piezoresistive transducer calibrated and tempered	
Dimensions	mm 32x76	
Weight	gr 840	
Cable	PVC (2 wires + compensation tube)	
Cable length	20 meters	
Installation	Submersible and external	
Measurable pressure	0 ÷ 9 m H <sub>2</sub> O	
Max sovrapressure	20 m H <sub>2</sub> O	
Operating temp.	0 ÷ +50 °C	
Power supply	15 ÷ 30 V 20mA max	
Output	4 ÷ 20 mA Rt=250 OHM max	
Long term drift	± 0,3 % f.s./anno a 25°C	
Thermal zero shift	± 0,02 % f.s. /°C	
Thermal zero span	± 0,01 % f.s. /°C	
Note	It can be used with all types of water with ph between 5 ÷ 9. For the use with other liquids to consult the factory	

\* With PVC cable.

It can be used with shielded cable - IP 68 protection grade (Code PRS50B1A3M20/PRS00B1A3M20)