

PRESSURE TRANSDUCER TYPE TP1 FOR ONE CONTROL PANEL TYPE 1QM/CE 1QT/CE, Q2PM/CE, Q2PT/CE AND Q3PM/CE Q3PT/CE.

TYPE TP1

The pressure transducer type TP1 is a sensor suitable to be fixed in the tube outlet of our collectors in steel AISI 304. It has the ability to read something as strong as pressure and transform it through an electric circuit in a voltage of between 0V up to 5V.



TRANSDUCER TYPE	TP1/10 BAR	TRANSDUCER TYPE	TP1/10 BAR
TENSION FEED	+5V Stabilizing	OVERPRESSURE	25 bar max.
TENSION OUTPUT	0V - +5V	WORKING TEMPERATURE	-20°C+40°C
LINEARITY	±0,4%	CONNECTION	1/4" G
STABILITY	0,5% max.	ASSEMBLY	Vertical/Horizontal
TYPICAL TOTAL MARGIN ERROR	± 2,0%	SENSOR MATERIAL	CERAMICS
WORKING LIFE OF TRANSDUCER	1 Million full loads	TRANSDUCER MATERIAL	BRASS
WORKING PRESSURE	10bar	Ø TRANSDUCER	32 mm

MANIPULATION OF THE LEVEL TRANSDUCERS TYPE TDL1

- ✓ Move the level transducer with great care, as it is a very **sensitive product and can be easily damaged by being knocked or shaken.**
- ✓ **Fix the level transducer in the sleeve by screwing in. Take care not to create any pressure, so ensure that the shutter is open. An extra pressure of one bar for the 200cm type irreparably damages the transducer with the subsequent breaking of the membrane**
- ✓ Each time that the tank is completely emptied, that is below 10 cm, after re-filling it is important to release the air from the transducer through opening the screw. This is only to be carried out on surface transducers.
- ✓ Do not enter the hole of the transducer with a pointed object and press on the membrane or apply pressure on it.
- ✓ Pressure over one bar will irreparably damage the transducer.
- ✓ Keep away from direct heat
- ✓ Keep away from radio equipment
- ✓ Do not bend the electric cable into a "U" shape
- ✓ Fix the connector from the transducer to electric card, with the cable facing down. The connector is polarised, but in any case the incorrect assembly of the connector irreparably damages the transducer.
- ✓ Do not unscrew the socket-head screw. Opening these causes the transducer to work incorrectly.
- ✓ Ensure that the transducer is fixed at a height of 10cm from the release air screw at the bottom of the tank. Failure to observe this level will causes an incorrect reading of the liquid level.

MANIPULATION OF THE LEVEL TRANSDUCER YPE TPL1

- ✓ Do not enter the hole of the transducer with a pointed object and press on the membrane or apply pressure on it. Pressure over 25 bars will irreparably damage the transducer.
- ✓ Keep away from direct heat
- ✓ Keep away from radio equipment
- ✓ Do not unscrew the transducer. The opening of this causes damage to the pressure transducer.
- ✓ Do not bend the electric cable into a "U" shape