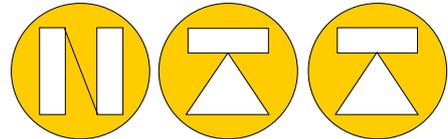
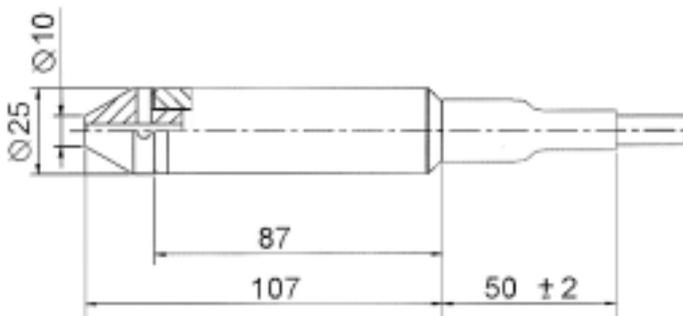


Level transmitter Type TPL2C



NORDIC TRANSDUCER



SPECIFICATIONS:

TEMPERATURE EFFECT PER 10°C	
a) on zero	< ±0.015%
b) on sensitivity	< ±0.015%
NOMINAL SENSITIVITY	4-20mA (2 wires)
SUPPLY VOLTAGE	11.5 - 24Vdc
SUPPLY VOLTAGE Max.	18V
LOADING REISTANCE	from 0 to 470ohm
INSULATION RESISTOR	2 Gohm
ZERO BALACING	± 1%

MECHANICAL LIMIT VALUES RELATED TO NOMINAL PRESSURE	
a) service pressure	100%
b) max. permissible pressure	150%
c) breaking pressure	>300%
d) high dynamic pressure	75%
REFERENCE TEMPERATURE	+23°C
SERVICE TEMPERATURE	-10 to +70°C
STORAGE TEMPERATURE	-20 to +80°C

CONNECTIONS	2 WIRE
--------------------	--------

CABLE OUTPUT

RED = SUPPLY+
 BLACK = OUT -
 *Tube outlet
 WHITE N.C.
 SHIELD = EARTH**

* Be sure that during the wiring compensating tube remains open

** SHIELD connected to pressure transducer.

TPL2C pressure transmitters has been designed to be used as immersion **level** gauge applicable to different working realities such as control, regulation and monitoring.

Sensor installation contemplates its total immersion (IP68 protection class) at max. silos depth, where measurements to determine non-dense substances level are going to be performed from.

In order to allow such kind of installation, transmitter is manufactured with a custom cable length which depends on the immersion depth.

The sensitive part, in contact with pressure, is entirely made of 17-4 pH stainless steel which is corrosion-proof.

High vacuum thermal treatments which stainless steel is subjected to, ensure sensor perfect functioning even in presence of highly dynamic stresses. Monolithic execution of measurement element, free from any assembling made through tight rings or gaskets, ensure a high stability with hysteresis and zero drift which are marginal.

Pressures are internally detected through a complete strain gauge bridge which guarantees performances maintenance even in presence of peaks.

All pressure transducers are entirely LASER welded and completed resin capsuled to ensure both insensitiveness and a hermetic tight high degree

During the production cycle, pressure transducers are thermally compensated, tested and separately calibrated through completely automated stations which analyze and record all the parameters.

LINEARITY & HYSTERESIS < ±0.15%

RELATIVE PRESSURE(R)
 0.3 - 0.4 - 0.5 - 1 - 2 - 3.5 - 5 - 7.5 - 10 - 20 bar

PROTECTION CLASS (EN 60529) IP68
SENSOR MATERIAL 17-4 PH

ELECTRICAL CONNECTION 2 wire cable

AT ORDER: Polyurethane CABLE per meter

1 BAR = 10.2110 Meter H₂O

1 BAR = 14.695 PSI

Nordic Tranducer

Als Odde, DK-9560 Hadsund Denmark

Phon.: +45 98581444, Fax.: +45 98581866

E-mail: transducer@ntt.dk WEB: <http://www.ntt.dk>