



Sensors

for nitrogen expansion system

SOTEX provides a matching set of pressure sensors for every nitrogen expansion system. These must be mounted on the vertical heat storage tank in accordance with the operating instructions. Two sensors are supplied for this purpose:

- nitrogen blanket pressure measurement [0-100 mbar]
- expansion space content measurement [0-250 mbar]

The sensors come complete with a pipe nipple, ball valve and PVC protective cap. A clear instruction is available for correct mounting. For the connection we recommend using a protected 2-core cable at all times, e.g. 2x 0,8 mm².



- measuring principle
- communication interface
- process connection
- membrane
- measuring cell seal
- electronics housing

- contact carrier, house connector
- cover screw
- contact surfaces
- connector seal

- weight
- output
- range

- interference signal
- signal resolution
- max. output current
- start time approx.
- dead zone
- jump response time

ceramic capacitive, oil-free measuring cell
 none
 stainless steel 316L, PVDF
 safier-ceramics® (99.9% oxide ceramics)
 FKM (VP2 / A), EPDM (A + P 75.5 / KW75F)
 brass, nickel plated

PA
 V2A
 Sn
 silicone

approx. 0.25 kg (0.55 lbs)
 4 ... 20 mA
 3.8 ... 20.5 mA

22 mA
 5 µA
 22 mA
 2 s
 ≤ 10 ms
 ≤ 20 ms (0 ... 63%)