

Ultra-high purity pressure sensor with a compact display screen Model:PTD20



Rotatable display (Up to 270°)

Applications

- Designed for IGS panel

Features

- Rotatable display for multiple mounting options
- W seal or C seal
- Easy-to-see dot matrix display
- Built-in automatic zeroing function (AUTO ZERO)
- Multiple function PS w/ compact display (1.125")

Specifications

Output signal

4~20mA, 0-5V, 0-10V, 1-5V

Operating temperature

-20~85°C

Accuracy class

±0.25%, ±0.5%, ±1%

Compensation temperature

-20~85°C

Base pressure range

0 (-0.1) to 0.5, 1MPa
Or all other equivalent vacuum or compound pressure and vacuum ranges

Temperature effect

±0.15%, ≤10°C

Overload pressure

2X

Zero adjustment

Automatic zero adjustment

Display

- The display can rotate 270°
- Switch: H/H, L/L, H/L
- Hysteresis: It can be set from 0 to 99
- Dot matrix digital tube, 3 1/2-bit display

Supply voltage

10~30VDC



Model:PTD20

Specifications

Wetted parts

Sputtered thin film core: 2.4711
Fitting: SUS316L Vim+Var

Thermal effect

$\pm 0.05\% \text{F.S./}^\circ\text{C} \pm 1 \text{ digit}$

Shape

IGS type

Cable connector

Molex (15-pin), directly connected cable

Seal type

W seal \ C seal

Accessory cable

3m Standard (15 wires + Shield)

Fitting size

1.125"

Sealing method

EB welding

Ingress protection

IP67

Leakage test

$< 5 \times 10^{-12} \text{Pam}^3/\text{sec}$

Weight

Approx. 145g
(Excluding accessory cable and might differ depending on connector)

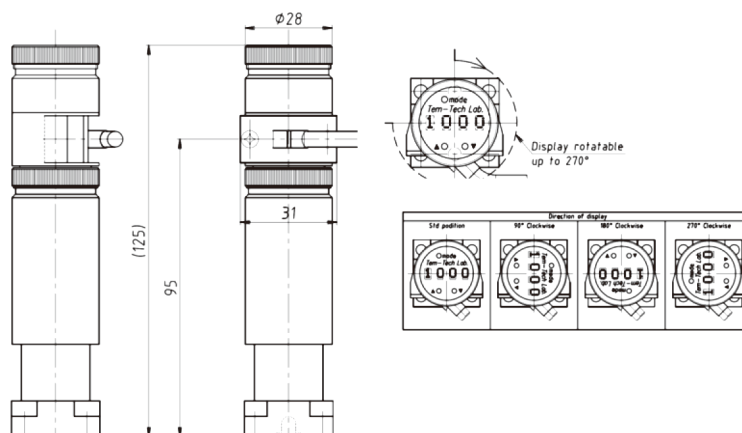
Surface finish

Ra: $< 0.25 \mu\text{m}$

Power consumptions

Normal: 0.5W or less / Max. 1.2W (Excl. alarm output)

Dimensions in mm



Model:PTD20

ORDERING CODE

Model
PTD20

Seal type

(CS)- C seal

(WS)- W seal

Seal size

(1.125")- 1.125"

Cable direction

(D1)- Horizontal to flow path

(D3)- Vertically to flow path

Output signal

(A)- 4-20mA

(B)- 1-5V

(D)- 0-10V

(F)- 0-5V

Setting output

(E)- NPN

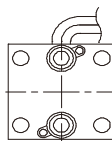
(E1)- PNP

Signal connector

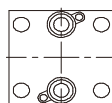
(A8)- Directly connected cable

(A18)- 15-pin Molex

Note: Cable direction



The cable direction is parallel to the flow path



The cable direction is perpendicular to the flow path

