Process Pressure Transmitter
Model IPT-10, standard version
Model IPT-11, flush diaphragm

Applications

- Process technology
- Chemical engineering
- Pharmaceutical industry
- Food & Beverage

Special Features

- Ex-Protection Ex ia IIC T6 according to ATEX and FM
  For the use in hazardous environments:
  Gases, vapours and mist:
  Zone 0, Zone 1 and Connection to Zone 0
  Dust: Zone 21 and Connection to Zone 20
- Ex-Protection Ex d ia IIC T6 according to ATEX and FM
  For the use in hazardous environments:
  Gases, vapours and mist:
  Zone 1 and Connection to Zone 0
- High Accuracy ≤ 0,075 %
- Scaleable measuring ranges (Turn Down up to 1 : 30)
- Configuration via DTM (Device Type Manager) according to FDT (Field Device Tool) - conzept (e.g. PACTware)

Fig. left IPT-10 aluminium double chamber housing
Fig. right IPT-11 stainless steel single chamber housing

Description

With its 4 ... 20 mA / HART® or FOUNDATION Fieldbus™ output signals, combined with either 'intrinsically-safe' or 'flameproof' ignition protection (according to ATEX or FM), the IPT-1✳ is ideally suited to applications requiring these features. The electronics of all of these transmitters, even for the 'flameproof' variant, are intrinsically safe. Internal digital processing and the use of proven sensors guarantees high accuracy and excellent long-term stability.

Versatile applicable
With available pressure ranges from 0.1 bar to 4,000 bar and a Turn Down of 1 : 30, these transmitters are suitable for almost any application. The display can be rotated within the instrument in 90° steps and, on request, an external, detached display and control module is available. The case itself can be rotated through 330° and is made of aluminium as a standard.

Where there is a requirement for greater robustness, ease-of-cleaning and chemical resistance, the single chamber variant can also be supplied in stainless steel (316 L).

Easy configuration and operation
The instrument is operated and configured by means of a 4-key membrane keypad. The operating menu is intuitive and easy-to-use and can be switched between 5 languages. Alternatively, via both HART® and FOUNDATION Fieldbus™, the configurable parameters can be set using external configuration software, such as the free and manufacturer-independent PACTware™. In addition, integration into corresponding control systems is possible using the device-specific DTMs.

Intrinsically Safe Universal Transmitter UniTrans®	*Typ IUT-1 ✳*	*see data sheet PE 86.02*
Intrinsically Safe Universal Transmitter UniTrans® with PROFIBUS PA	*Typ IUT-1 ✳-5*	*see data sheet PE 86.03*
Intrinsically Safe Pressure Transmitter	*Typ IS-2 ✳ - ✳*	*see data sheet PE 81.50*