



Type SDT 03

modular @ pressure

Parameterisable modular pressure transmitter

Basic features

- ▶ High accuracy
- ▶ Digital input for zero point adjustment
- ▶ Nominal pressure ranges up to 40 bar
- ▶ Relative Pressure
- ▶ Integrated control + indicator display optional
- ▶ Freely adjustable as tank level indicator & linearisation up to 30 support points (via free software)
- ▶ Configuration via display & possibility for software-supported visualisation and configuration
- ▶ Very quick compensation of temperature jump
- ▶ Wetting parts made of high-grade steel 1.4435
- ▶ Housing made of high-grade steel 1.4404
- ▶ Pressure screw for free positioning
- ▶ Individual measuring range adjustment
- ▶ Smallest measuring range 100 mbar
- ▶ Turndown 4:1
- ▶ Fourfold overload
- ▶ Galvanically isolated electronics
- ▶ Insulation voltage: 300V
- ▶ Totally front-flush membrane
- ▶ FDA, EHEDG-conformal

Technical features

- ▶ Accuracy according to IEC 60770: 0,1 % of adjusted measuring value
- ▶ Long-term stable
- ▶ Short-circuit-proof + reverse voltage protected
- ▶ Functional ranges (temperature):
 Medium to be measured (permanent): -20 °C to 110 °C
 Medium to be measured max. (1/2 h) up to 140 °C
 High-Temperature-Version permanent up to 180 °C
- ▶ Protection class up to IP 69 K (execution-dependently)
- ▶ customized remarks:
 - special measuring range
 - various electrical and mechanical process connections
 - further remarks on request

Design and mode of operation

The pressure transducer SDT03 represents the extension of our well tried pressure transducers of the SDT series. It is available in the following mechanical Versions:

- **Standard:** Modular, aseptic G1”
 Process connection with polymeer-free sealing system (HygienicConnect),
- Elastomer sealing (HygienicElastomerConnect „HEC“)



Software-supported visualisation & configuration



Examples of modular process connections



Varivent Triclamp Milk-Pipe
 See data sheet process connection technology

modular @ process

Optional accessories



DES

Display-Extension-Set

For external placement of the Display and operating unit in Field applications

Favoured fields of application are:

- ▶ Food technology
- ▶ Chemical and pharmaceutical industry
- ▶ Process measurement
- ▶ environmental technology
- ▶ fill level measuring

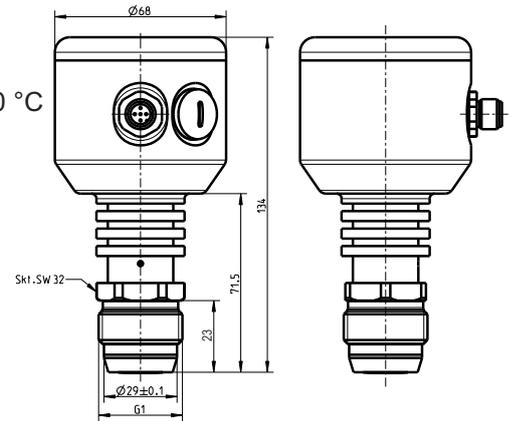
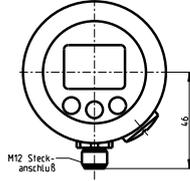
Stand 05/2023



High-Temperature-Version



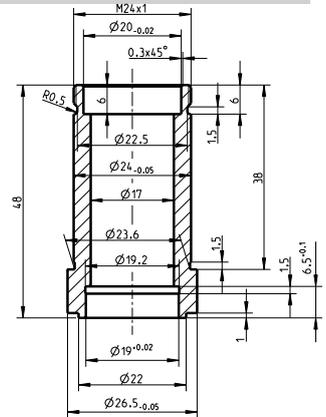
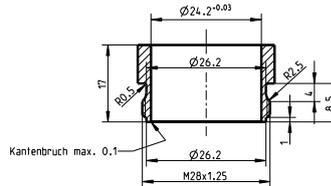
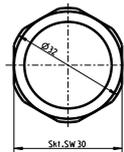
Property:
Temperature Range:
Medium (steady): -10 °C to 180 °C
Ordercode: SDT03-.....K001



Labom-Prozess Connection



Property:
Process Connection Labom
Ordercode: SDT03-.....K010

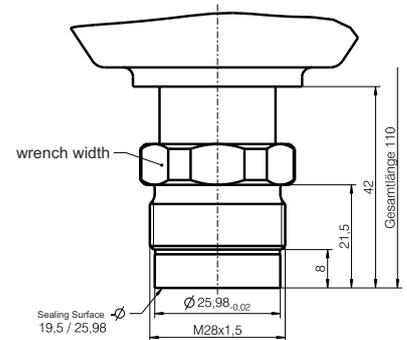


Wiedemann-Process Connection



Property
M 28x1,5 Pressure Nozzle
(Wiedemann)

Ordercode: SDT03-.....K009



Hengesbach-Process Connection



Property
Process connection Hengesbach

Ordercode: SDT03-.....50-.K001

