combined sensor limit level and temperatur PTT 350

features

- conductive limit probe as 1-rod probe for level measurement
- integrated temperature sensor PT100
- aseptical measuring point by process connect thread G1/2"
  for modular welded sleeve- and process connect system
- EHEDG-conform, food safe material
- definated position of screwing

technical specifications

- connection head made of stainless steel 1.4305
- food tangent sensor made of stainless steel 1.4571
- electrical connection with screwing or optional M12-plug
- protection class IP69K
- temperature range -50...+200°C
  (extended range by request)
- max. operating pressure 10 bar

limit level
- auxiliary supply 8...35VDC, max. 50mA
- electrode supply 2VAC, 500Hz
- measuring range 1K, 5K, 20K
- output active proportional to the auxiliary supply
- output max. 30mA
- switching delay approx. 0,5s

application areas

- fill level detection in cases and pipelines
- dry running condition protection
- empty-/full announcement
- simple, low-cost combined measuring point for temperatur and limit level

product benefits

- combination device for level detection and temperature measurement
- aseptic sealing system
- food-safe materials (EHEDG-compliant)
- robust stainless steel head with protection class IP69K
- integrated evaluation electronics possible

PTT 350-6-Z2-1-1A3-PMU

temperature measuring transducer KMU / PMU
- power supply 10...35VDC, residual ripple +-5%
- input PT100 2-, 3-, 4- wire
- output 4-20mA, overflow21mA, underflow 3,5mA
- measuring range max. -200°C...+650°C
- measuring span min. 10 K
- precision <+-0,1% from the end value

PTT 350-16-Z2-1-1A3-KMU

order-code PTT 350...   <u>order example:</u> PTT 350-16-A-1-1A3-KMU

connection heads

- 6   stainless steel head standard with M12-plug (not possible with option KMU)
- -15   stainless steel head increased construction with screwing
- -16   stainless steel head increased construction with M12-plug

length of rod

- -Z1   on request
- -Z2   switching point 2mm
- -X   switching point 9mm
- -Y   switching point 38mm
- -A   switching point 50mm

design, level measurement options

- -1   standard design
- -2   with external switching state LED

type of sensor

- -1A3   1 x PT100 3-conductor class A
- -1A4   1 x PT100 4-conductor class A
- -2A3   2 x PT100 3-conductor class A (not possible with option temperatur measurement)

optional

- -KMU   with programmable measuring transducer KMU (only possible with increased construction (-15 / -16))
- -PMU   with programmable measuring transducer PMU (only possible with standard head (-6))

accessories

welding sleeves

- -99-000191   KEM 150, welding sleeve, bullet, for G1/2" sealing system, diameter 35m, hygienic process adaption
- -99-000193   ZEM 150, welding sleeve, cylinder, for G1/2" sealing system, diameter 30mm, hygienic process adaptation

M12-connection wires

- -101090   connection cable M12 angled, 4-pole, 5m PVC cable,grey
- -101087   connection cable M12 straight, 4-pole, 5m PVC cable, grey

Other lengths available on request.

For more accessories, see accessories data sheet.