

level measurement

combined sensor limit level and temperatur RVV 572

features

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

temperature measuring transducer KMU / PMU

- power supply 10...35VDC, residual ripple +-5%
- input PT100 2-, 3-, 4- wire
- output 4-20mA, overflow 21mA, underflow 3,5mA
- measuring range max. -200°C...+650°C
- measuring span min. 10 K
- precision <+-0,1% from the end value



RVV572-6-Z2-1-1A3-PMU

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

order-code RVV 572...

order example: RVV572-16-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))

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