

temperature measurement

resistance thermometer YVT 642

features

- resistance thermometer without neck tube
- short reaction time without reduced measuring point
- temperature resistance PT100 directly constructed in protective fitting
- electrical connection with M12-plug (connection see accessories)
- optional with programmable measuring transducer (same programm kit like at KMU100), output 4-20mA 2-wire
- specials on request



YVT642-9-A-1A-PMU

technical specifications

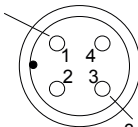
- protective fitting made of stainless steel V4A 1.4404 (316L) resp. V4A 1.4571
- diameter 6 x 1 mm, other diameters on request
- process connection thread G 1/2"A
- temperature ranges: -50 °C to +150 °C (extended ranges on request)
- power supply at option measuring transducer 10...35VDC

top: optional measuring transducer can be parametrized and adjusted by the customer (same programmable kit like at measuring transducer KMU 100)

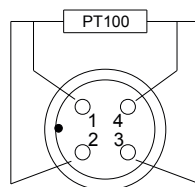
application areas

- temperature measurement in pipelines
- temperature measurement in cases
- temperature measurement in rough environments
- temperature measurement at fast process demand
- compact construction, for cramped slots
- demands, where fast change without installation is requested
- low-cost measuring point

1 (brown)
+ voltage
10...35VDC

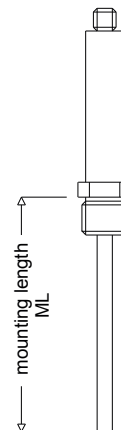


M12 plug with PMU



M12 plug (only PT100)

1 (brown)
2 (white)
3 (blue)
4 (black)



order-code YVT 642...

order example: YVT642-9-A-1A-PMU (0-100 °C)

kind of connection

- 9 compact construction, directly with M12-plug, protection class IP69K

mounting length

- A 50 mm mounting length
- B 100 mm mounting length
- C 150 mm mounting length
- D 200 mm mounting length
- E 250 mm mounting length
- F 300 mm mounting length
- K mounting length on customer's wish (please specify length)

type of sensor and tolerance

- 1A 1xPT100 class A
- KX other types of sensor and tolerance on customer's request

tapered measuring point

- V0 (without description) without taper
- V3 tapered to 3 mm
- V4 tapered to 4 mm

optional

- PMU with programmable measuring transducer (temperature ranges on request on preadjustment please specify)
- SPMU with programmable measuring transducer, pin configuration on customers request

updated 01/2018