

temperature measurement

resistance thermometer YVT 702

features

temperature sensor

- resistance thermometer as cable sensor
- sensor diameter, sensor length and cable length selectable
- straight thermowell without process connection
- adaptable with compression fittings and thermowells

transmitter and display head

- plastic housing with display free programmable in rotatable head
- input PT100 and thermocouple
- 4 ... 20mA output and 2 switching outputs PNP
- display can be mirror
- comprehensive setting
- already preset upon request



YVT702-50-6-A-6-02S-1A3-VES-HW

technical specifications temperature sensor

- protective fitting made of stainless steel 1.4571 (V4A)
- connection cable PVC, PUR, silicone, teflon or GGVA
- temperature range: the medium -50 ° C to +400 ° C (depending on cable material, extended ranges on request)
- PT100 class A

technical specifications transmitter and display head FG200T

input	PT100 or thermocouple (programmable)
display range	-9999...+9999
digit height	8,5mm
display	red 7-segment LED display 4 digits rotatable about 330 °, display mirror-imaged
damping	0,0...999,9s adjustable
resolution	16 Bit
accuracy	+/-0,2% of measuring range +/- 1 digit
setting	wide range of options such as display scale, display area, decimal point, units, TAG number, etc.
switching outputs	2 PNP, maximum load for each 200mA galvanically isolated from the measuring amplifier
display switching point	per 1 x red LED
setting	separated switching point and hysteresis adjustable with 3 buttons on the unit
power supply	12...40VDC, HART-current loop
temperature range	working range -40...+85°C storage -40°C...100°C
electrical connection	M12-connector 5-pole
material	housing body PTB GF30 display shell: polycarbonate
weight	approx 70g without probe
mounting position	any
protection	min. IP65, depending on the connection cable also higher

application areas

- temperature measurement in mechanical and plant engineering
- temperature measurement, monitoring in heating circuits
- temperature measurement, monitoring in refrigeration circuits
- temperature measurement in heating, air conditioning and ventilation systems
- simple 2-point control in the field

temperature measurement

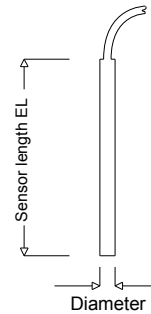
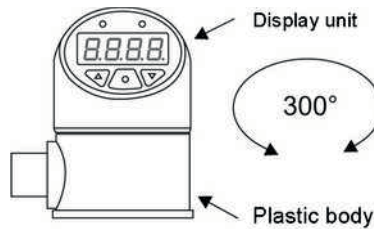
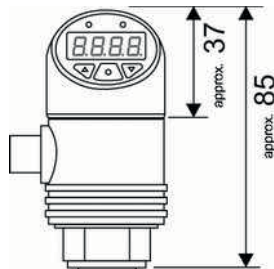
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dimensions

transmitter/display head

rotate display head

resistance thermometer



order-code YVT 702...

order-example: YVT702-50-6-A-02S-1A3-VES-HW

connection head

-50 transmitter and display head, free programmable type FG200T

sensor diameter

- 4 sensor diameter 4 mm
- 5 sensor diameter 5 mm
- 6 sensor diameter 6 mm
- 8 sensor diameter 8mm (length only 50mm possible)
- 9 sensor diameter 9 mm

sensor length

- X sensor length 20 mm
- Y sensor length 30 mm
- A sensor length 50 mm
- B sensor length 100 mm
- C sensor length 150 mm
- D sensor length 200 mm
- K sensor length on customer requirements (please specify length)

cable length and material

- 00PVC specify cable length (e. g. 02 = 2 m) / m, cable material PVC
- 00PUR specify cable length (e. g. 02 = 2 m) / m, cable material PUR
- 00S specify cable length (e. g. 02 = 2 m) / m, cable material silicone
- 00T specify cable length (e. g. 02 = 2 m) / m, cable material teflon
- 00GGVA specify cable length (e. g. 02 = 2 m) / m, cable material fibre glass with VA-jacket

sensor type and tolerance

- 1A3 1xPT100 3-wire class A
- 2A3 2xPT100 3-wire class A
- KX sensor types or tolerances on customer request

connecting sensor to transmitter/display head

- VES cable gland, sensor securely connected
- M12 M12 plug
- KK connection on customer requirements

optional (multiple responses possible)

- HT high temperature version up to + 400 ° C
(Attention, only cable material GGVA use)
- HW bracket for wall mounting of the head

updated 01/2018