

SCR400

- sensor with GDM plug and display
- temperature range -50 ÷ 550°C (depending on construction)
- stainless steel sheath
- thermowell spring protection against excessive cable bending
- possibility of mounting a 4...20 mA or 0...10 V temperature transmitter
- local LED display optionally

Resistance thermometer **SCR400** consists of a non-replaceable measuring insert, a welded protection tube with process connection, and a Hirschmann brand GDM type socket. The measuring transmitter is installed into the top part of the casing. The sensor with a built-in 4...20 mA transmitter can be equipped with a local LED display. The immersion length of the sensor, process connection, length of the thermowell, shape, and material of the sheath can be selected depending on the requirements of the application.

Application areas:

- equipment/tank design,
- technological process installations in all branches of industry,
- machine design,
- heating systems, air conditioning and ventilation.

TECHNICAL DATA

Sensing element	Pt100, Pt500, Pt1000 (2-, 3- or 4-wire)
Measuring range	-50 ÷ 100°C (thermowell with process connection); -50 ÷ 550°C (thermowell with process connection away from plug and without process connection)
Process connection	G1/2", M20x1,5
Class	A or B
Thermowell	material: stainless steel 1.4541 length: any diameter: 4 ÷ 15 mm

ORDERING

SCR400-X-X-X-X-X-X-X-X-X

temperature sensor:

1 : single
2 : double
PP : with transmitter
L : with transmitter and local display

sensing element:

Pt 100
Pt 500
Pt 1000
other, please specify

construction:

P : without process connection
GB : with process connection
GN : with process connection away from plug

shift (only for GN construction):

- : standard L=145 mm
other, please specify

sheath diameter (ØD):

4 mm
5 mm
6 mm
other, please specify

output signal or temperature transmitter settings:
please specify

measuring circuit
(sensor without transmitter):
2 : 2-wire
3 : 3-wire
4 : 4-wire

accuracy class:
A B

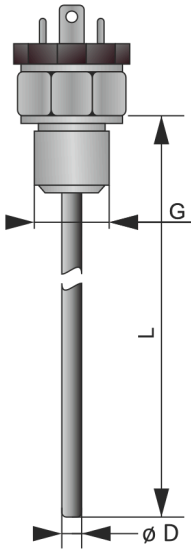
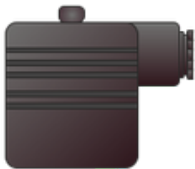
process connection (for GB and GN):
M20x1,5
G1/2"
other, please specify

sheath length (L):
100 mm (standard)
other, please specify

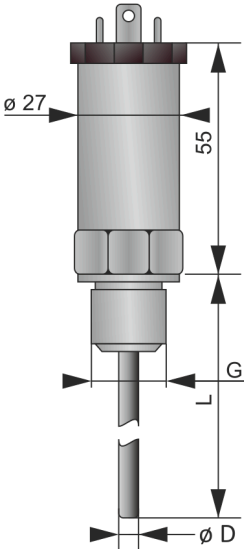
Ordering example:
SCR400-PP-Pt100-GB-6-100-G1/2"-A-4..20mA-(0-100)
RTD temperature sensor with 4..20 mA transmitter, 1xPt100, A tolerance class, thermowell diameter 6 mm, length 100 mm, construction with process connection G1/2", temperature range 0-100°C.



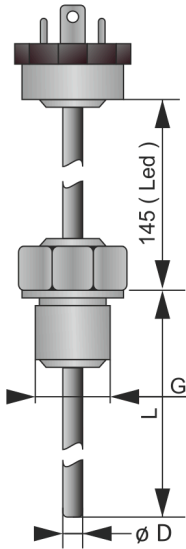
CONSTRUCTION



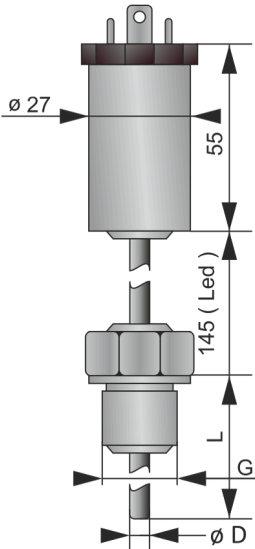
Without transmitter,
with process connection



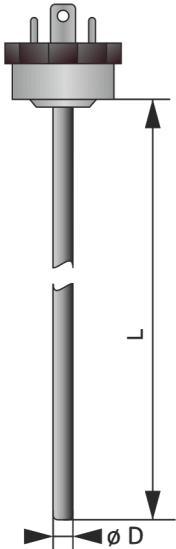
With transmitter
and process connection



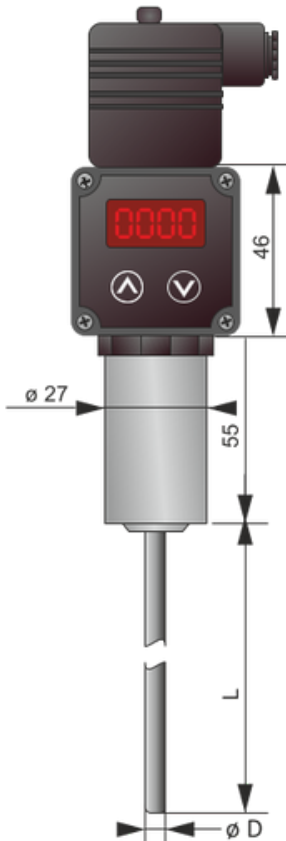
Without transmitter,
with process connection
away from plug



With transmitter,
with process connection
away from plug



Without process connection
and transmitter



Without process connection,
with transmitter and local
display



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