

TYPE 103*i*

Type 103*i* is a sensor with a light protective thermowell, replaceable spring-loaded insert, and a protective connection head.

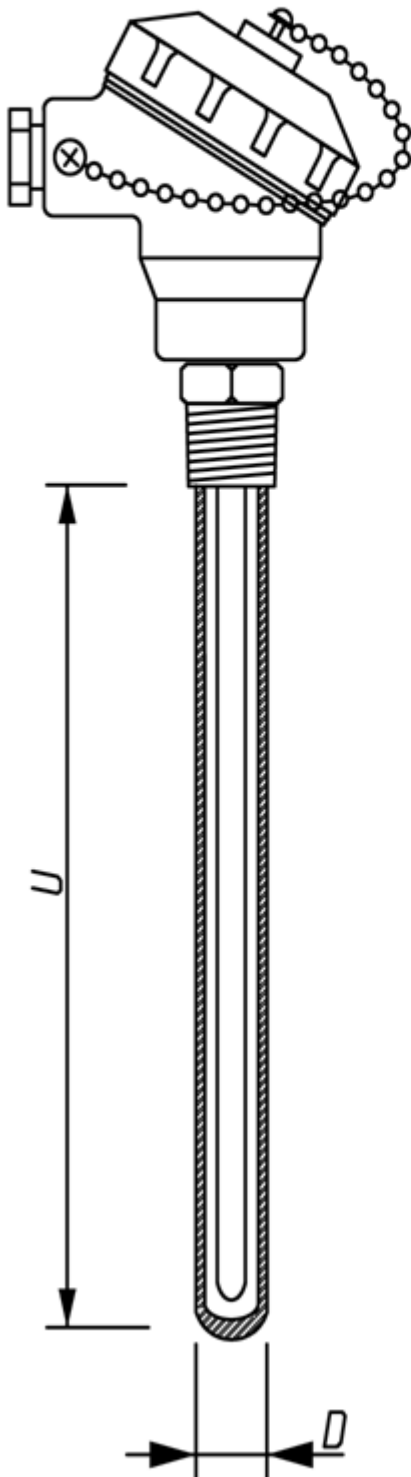
The light protective thermowell safeguards the sensor probe from dirt, corrosion, the forces of fluid flow, and other potentially damaging conditions.

A replaceable spring-loaded sensor, Type 102, is designed to provide fast and accurate temperature readings. The replaceable insert eliminates the need for a completely new sensor.

Type 103*i* is ideal in HVAC and food industries.

Type 103*i* is available in a variety of features and options to meet users' specific requirements, including:

- Sensor Type
- Sheath Diameter
- Sheath Material
- Length
- Process Connection
- Connection Head
- Sensor Accuracy



TT103I

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HOW TO ORDER

TABLE NO

1

2

3

4

5

6

7

8

EXAMPLE

ORDER NO 103I

K

4

3

460

U

M

18P

S

Example Order No. = Type 103I T/C-K ; 12.7 mm sheath diameter ; Inconel 600 sheath material ; 460 mm long ; ungrounded measuring junction ; 1/2" N.P.T process connection ; reinforced Polypropilene head ; standard accuracy.

Table 1. Sensor Type	
Single	Duplex
K	KK
J	JJ
T	TT
E	EE
N	NN
P (For RTD)	PP

Table 2. Sheath Diameter "D"	
Order	Diameter
1	8 mm
2	10 mm
3	12 mm
4	12.7 mm
7	Other

Table 3. Sheath Material	
Order	Description
3	Inconel 600
4	310 ST.ST.
5	446 ST.ST.
8	316 ST.ST.
9	Other

Table 4. Dimension "U"
Insert "U" in mm. (3 digit)

Table 5A. Measuring Junction (for T/C only)	
Order	Description
G	Grounded
U	Ungrounded
E	Exposed

Table 5B. Wiring System (for RTD'S only)	
Order	Description
2	2-wire system
3	3-wire system
4	4-wire system

Table 6. Process Connection	
Order	Description
M	1/2" N.P.T
R	1/2" B.S.P
Q	3/4" N.P.T
V	3/4" B.S.P
O	Other

Table 7. Connection Head	
Order	Description
15A	Cast aluminum epoxy coated screwed cover
16B	Aluminum type "B"
17M	Cast aluminum mini size
18P	Reinforced Polypropilene
19E	EX-proof Cast aluminum epoxy coated
20I	Cast iron epoxy coated screwed cover
21GN	Nylon + Glass Fiber
22GP	Glass Reinforced Polyamide
23PH	Phenyl Polyoxide

Table 8. Sensor Accuracy	
Order	Description
S	Standard
SC	Special Calibration