

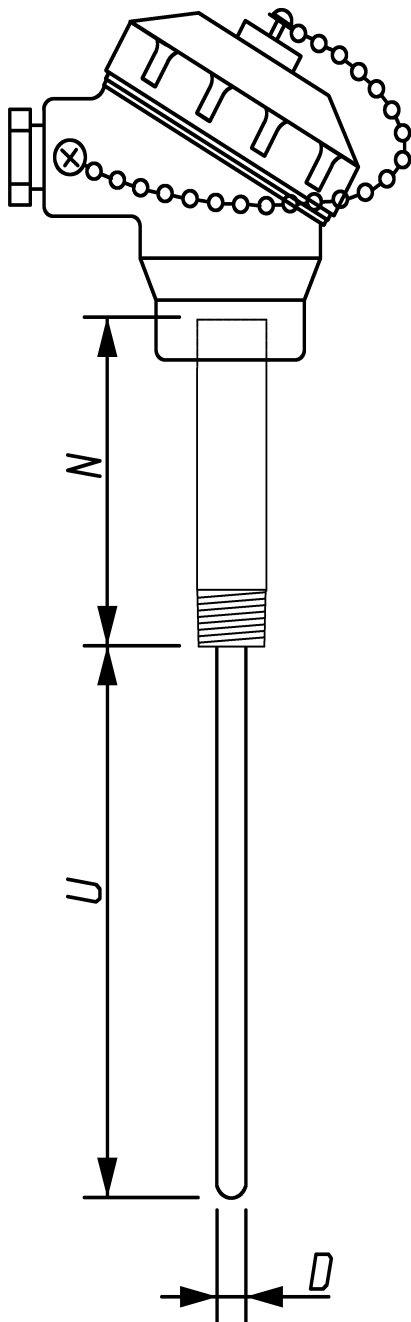
TYPE 103N

Type 103N is a sensor for use with a protective thermowell, replaceable spring-loaded insert, and a protective connection head.

Type 103N is our most popular sensor for use in heavy industry. 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 103N 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



TT103N

Mitchshur S.Z. (1984) Ltd.

8 Hagavtsh St.

P.O.B. 1951 Holon 58117

ISRAEL

Phone: 972-3-6508585 Fax: 972-3-6508586

HOW TO ORDER

TABLE NO

1

2

3

4

5

6

7

8

EXAMPLE
ORDER NO
103N

K

2

3

150

U

E

15
A

S

Example Order No. = Type 103N T/C-K ; 1/8" sheath diameter ; Inconel 600 sheath material ; 150mm long ; ungrounded measuring junction ; 1/2 N.P.T connection ; aluminum connection 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	1/16"
2	1/8"
3	3/16"
4	1/4"
6	3/8"
7	Other

Table 3. Sheath Material	
Order	Description
3	Inconel 600
4	310 ST.ST.
8	316 ST.ST.
9	304 ST.ST.

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
B	1/2" NPT SCH40 steel nipple
C	1/2" NPT steel nipple / union
E	1/2" NPT SCH40 ST.ST 316

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