

## TYPE 103IS

Type 103IS is a sensor for hygienic process with an APV or Tri-Clamp connections, replaceable spring-loaded, and a protective connection head.

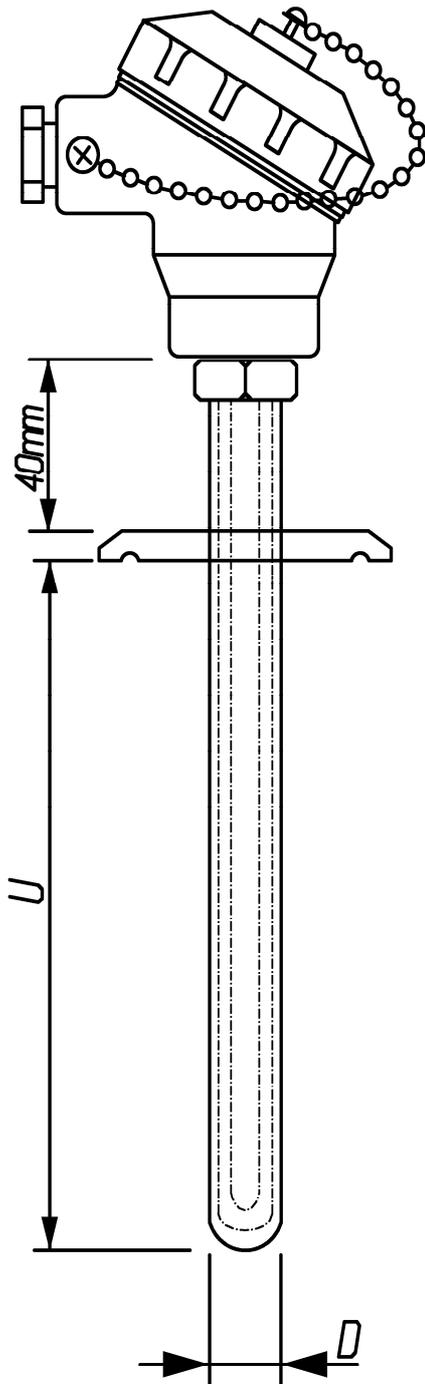
The light protective thermowell safeguards the sensor probe from dirt, corrosion, the forces of fluid flow, and other potentially damaging conditions.

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 103IS is ideal for pharmaceutical industries, bio-tech and food process.

Type 103IS 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



TT103S

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# HOW TO ORDER

TABLE NO

1

2

3

4

5

6

7

8

EXAMPLE  
ORDER NO  
103IS

P

4

8

150

3

R

18  
P

S

**Example Order No. =** Type 103IS RTD ; 1/4" sheath diameter ; 316 ST. ST. sheath material ; 150mm long ; 3-wire system ; Tri-Clamp 1 1/2" 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	1/16"
2	1/8"
3	3/16"
4	1/4"
6	3/8"
7	Other

Table 3. Sheath Material

Order	Description
8	316 ST.ST.
0	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	Tri-Clamp 1"
R	Tri-Clamp 1 1/2"
Q	APV 1"
V	APV 1 1/2"
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