

TPB - Nitrogen Gas Thermometers

Nitrogen Gas thermometers are designed for the accurate measurement of temperature in a wide variety of industries: Heating, ventilation and air conditioning (HVAC), nuclear, chemical and petrochemical plants, pulp and paper industries, food industries, refrigeration industries, diesel, exhausts and turbines, refineries and compressors. Ideally suited to the nuclear and food industries (where the use of mercury is prohibited). Also more practical in situations where there is no ready access to electricity - necessary for the power supplies of Resistance thermometers as an example.

Case

AISI 304 brush finish stainless steel. Liquid fillable on request

Bezel

Electro polished AISI 304 stainless steel bayonet lock bezel

Bezel Gasket

Neoprene

Pointer

Matt black anodised aluminium

Element & Movement

Helical or "C" shaped coil with AISI 304 stainless steel pendant and segment movements

Probe / Capillary

Grade 316 SS

Dry or liquid filled: alternatively retrofillable

Window

Standard polycarbonate - options glass or safety laminated safety glass

Dial Size

63 mm, 100 mm and 150 mm

Temperature Ranges

Standard Celsius or Fahrenheit scales or alternately a combination of both are available for most common temperature measuring applications.

Accuracy

1 % FSD

Environmental Protection

IP65

Dial

Aluminium; white with black numerals and scales

Options

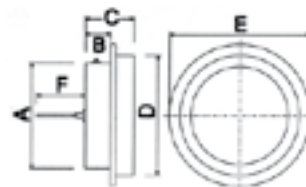
Armoured capillary

Electrical contacts - Reed design on 100 mm only
- Microswitch on 100 mm and 150 mm

Drag pointers - minimum or maximum pointer indication

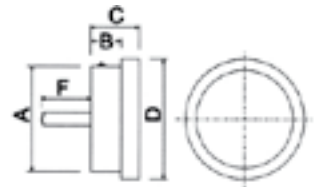


FC: Remote Mounted Back Connection with Front Flange



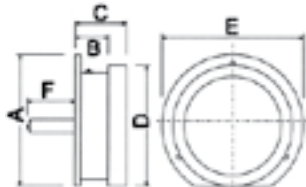
Specs	A	B	C	D	E	F
100 mm	99,5	19,9	44,0	112,9	131,8	Various
150 mm	139,7	139,7	55,0	154,5	196,0	Various

DS: Rigid Back Connection



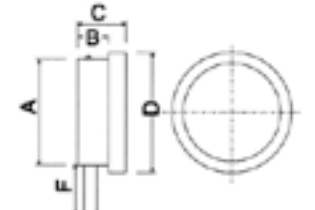
Specs	A	B	C	D	E	F
100 mm	99,5	32,0	49,0	112,9	-	Various
150 mm	139,7	34,7	55,0	154,5	-	Various

ES: Rigid Back Connection with Back Flange



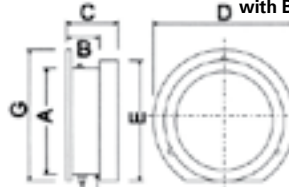
Specs	A	B	C	D	E	F
100 mm	122,5	29,9	45,6	112,6	132,9	Various
150 mm	184,0	36,2	53,2	154,5	190,0	Various

AS: Rigid Lower Connection



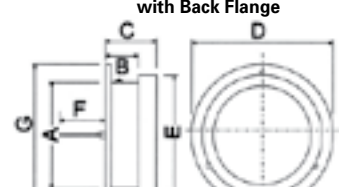
Specs	A	B	C	D	E	F
100 mm	99,5	32,0	49,0	112,9	-	Various
150 mm	139,7	34,7	55,0	154,5	-	Various

BC: Remote Mounted Lower Connection with Back Flange



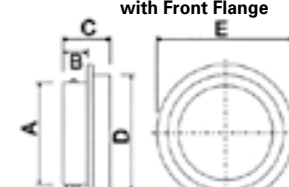
Specs	A	B	C	D	E	F
100 mm	99,5	29,9	45,6	132,9	112,6	Various 122,5
150 mm	139,7	36,2	53,2	190,0	154,5	Various 184,0

EC: Rigid Back Connection with Back Flange



Specs	A	B	C	D	E	F
100 mm	99,5	29,9	45,6	132,9	112,6	Various 122,5
150 mm	139,7	36,2	53,2	190,0	154,5	Various 184,0

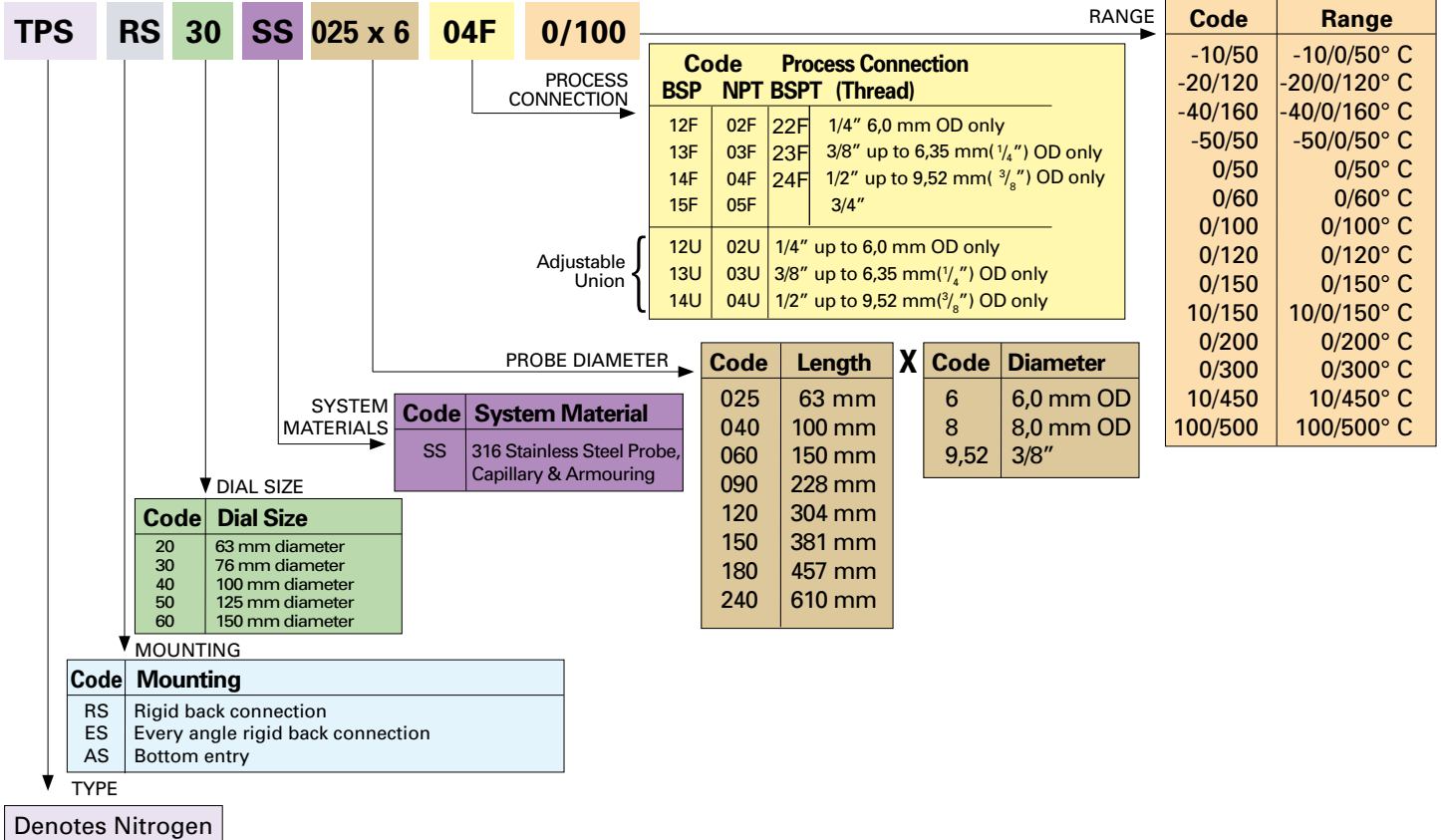
CC: Remote Mounted Lower Connection with Front Flange



Specs	A	B	C	D	E	F
100 mm	99,5	29,9	45,6	132,9	112,6	Various
150 mm	139,7	36,2	53,2	190,0	154,5	Various

Dimensions in mm

Bi-Metal Thermometer Ordering code



Nitrogen Thermometer Ordering code

