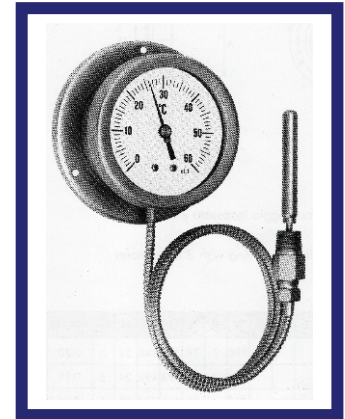


Expansion Thermometers GE & GI Series

Approvals:



ATEX 94/9/EC



Application:

GENERAL PURPOSES, STANDARD DELIVERIES, HIGH LEVEL OF STANDARDIZATION (Execution E).
SPECIAL PURPOSES, SPECIAL DELIVERIES, HIGH LEVEL OF CUSTOMIZATION (Execution N).
Chemical / Petrochemical, power station, mining, on-off shore, processing, food, pharmaceutical, nuclear power plants.
Suitable for corrosive environments.
With liquid filled case for applications with vibrations.
Suitable for electronic contacts and accessories.

Technical features:

Nominal size:

100 – 150 mm (4" – 6")

Scale ranges:

NS 100 – 150 mm: 0...60 to 0...600 deg C
-40 to +60, -20 to +40, -20 to +100 degC.
Deg F or double scale on request.

Accuracy class:

NS100 – 150: 1 (std.); 0,6 and 0,5 (optional)

Ambient temperature:

- 30°C + + 60°C dry execution
+10°C + + 60°C glycerine filled execution
- 45°C + + 60°C silicon oil filled execution

Medium temperature:

- 30°C + +200°C dry execution
+10°C + + 80°C glycerine filled execution
- 45°C + +120°C silicon oil filled execution

Thermal drift:

Reference temperature +20°C
Thermal drift max $\pm 0,15\%/10K/1m$ capillary

Working temperature:

Steady: 10% to 75% of full scale value

Protection degree (according to EN 60529 / IEC 529):

IP 55 for dry execution
IP 65 for filled execution

Thermal system:

Stainless steel AISI 304 (Execution E)
CrMo Steel (Execution N)

Movement:

Stainless steel

Capillary:

Stainless steel AISI 316 L

Capillary:

Stainless steel AISI 316 L
1, 2, 3 and 4m (std.); up to 25m (optional)

Bulb:

8 or 12mm diameter

Window:

Glass for dry execution
Safety glass for liquid filled executions

Dial:

White aluminium with black markings

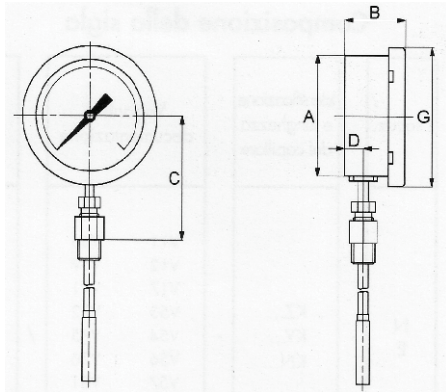
Process connection:

See annex table and drawing

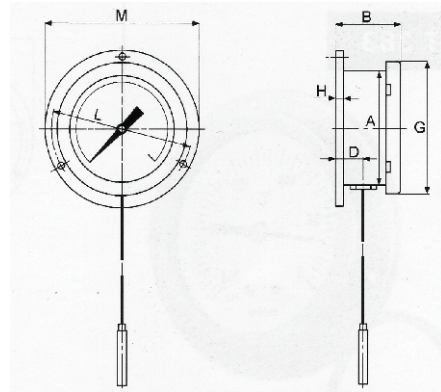
Short time:

1,15 x full scale value (except 0 to 600 degC)

DIRECT VERTICAL MOUNTING



REMOTE SURFACE MOUNTING



Execution E

DN	A	B	C	D	G	H	L	M	Holes Ø	Kg	DN	A	B	C	D	G	H	L	M	Holes Ø	Kg
100	100	46	100	18	113					0.52	100	100	48		20	113	4	116	134	5	0.72
150	150	50	125	15.5	166					0.80	150	150	57		22.5	166	7	178	192	5	1.18

Execution N

DN	A	B	C	D	G	H	L	M	Holes Ø	Kg	DN	A	B	C	D	G	H	L	M	Holes Ø	Kg
100	103	50	100	15.5	118					0.56	100	103	57		22.5	118	7	126	140	5	0.82
150	150	50	125	15.5	166					0.80	150	150	57		22.5	166	7	178	192	5	1.18

Options:

Others process connection
 3-hole panel mounting flange
 Better accuracy
 Maximum pointer
 Case and ring material stainless steel 316
 Liquid filling: silicon oil
 Tagging on dial
 Tagging on label in St. St.
 Others on request

Special version:

ATEX execution II 2GD

Accessories:

Thermowells
 Electronic contacts

How to Order

Base Model	Code	Description
	GE	Inert gas expansion, dial temperature gauge of high quality and versatility
	GI	Dial temperature gauge for economy and of good quality

Span Scale	Code	Description
	X	Span of outer scale. Various options available. Contact Delta Sales

Units	Code	Description
	C	Degrees Celsius
	G	Degrees Celsius and inner scale to suit in Degrees Fahrenheit

Configuration	Code	Description
	XXX	Gauge diameter, mounting, case features & safety fill. Various options available. Contact Delta Sales

Accuracy	Code	Description
	A	Class 1.0 (+/-1 per cent of full scale deflection).
	C	Class 0.6 (+/-0.6 per cent of full scale deflection) Gauge nominal dia. 150mm.
	E	Class 0.6 (+/-0.6 per cent of full scale deflection) Gauge nominal dia. 100mm.

Mounting Connection	Code	Description
	0	No connector
	D	R1/2 (1/2inch BSPT male), sliding and swivel.
	L	G1/2B (1/2inch BSPP male), sliding and swivel.
	M	3/4-14 NPT External, sliding and swivel.
	R	1/2-14 NPT External, sliding and swivel.
	Y	R3/4 (3/4inch BSPT male)

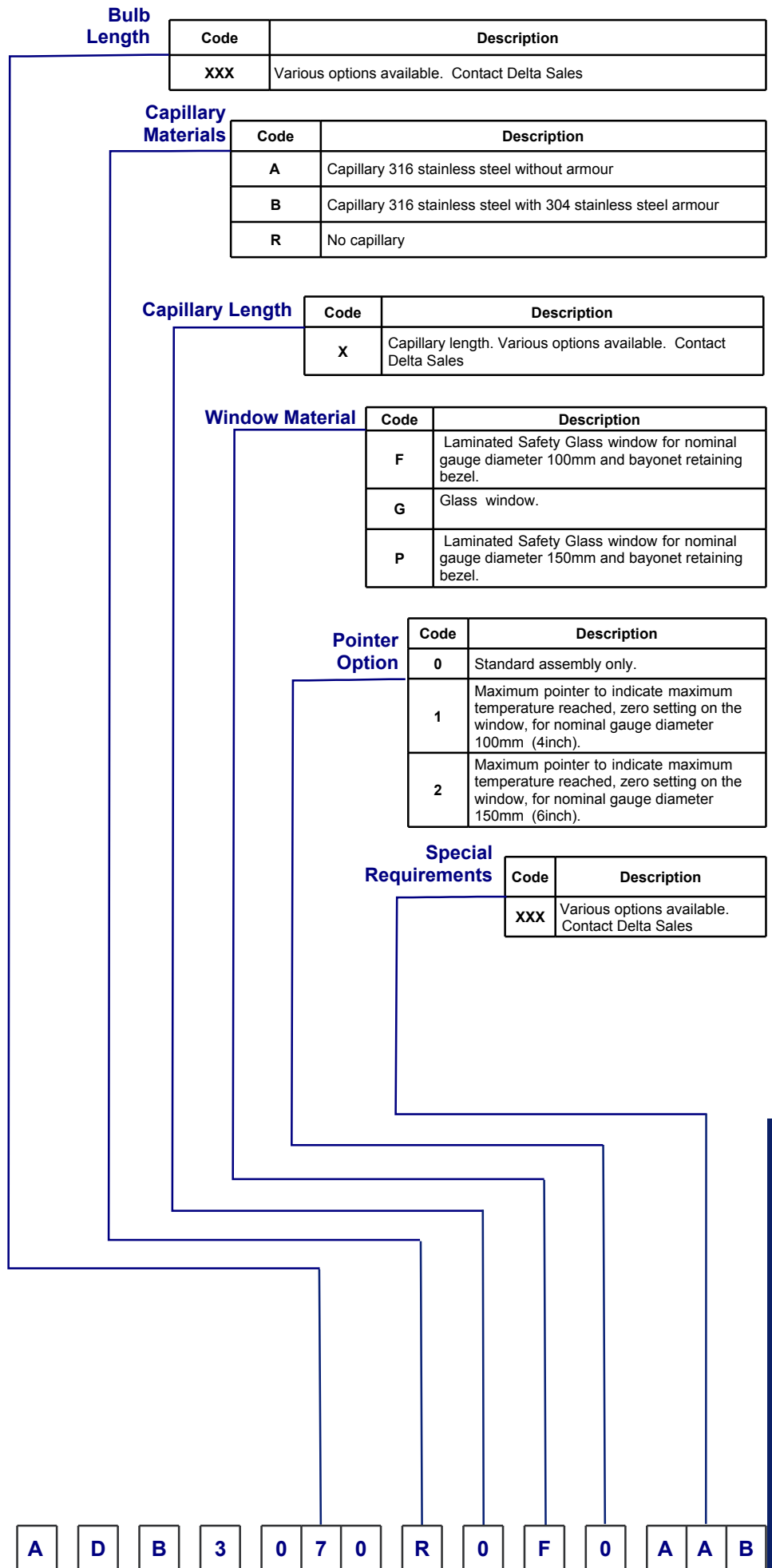
Bulb Diameter	Code	Description
	B	Bulb 8mm diameter.
	C	Bulb 12mm diameter.

Stem Length	Code	Description
	X	Various options available. Contact Delta Sales

G
E
C
C
4
A
S
A
D
B
3
0
7
0
R
0
F
0
A
A
B

Typical Delta Part Number

How to Order



Typical Delta Part Number