

Rigid Stem Thermometer

Type A78 - Front Line

Date: January 2003

Sheet No.: 3-25 GB



Rigid Stem thermometer, DN 80 and DN 100

- All stainless steel
- Robust construction
- Resistant to corrosion vibrations, wear and tear
- Stem bottom or rear
- Quick response time
- Good accuracy, class 1
- Ambient temperature 100°C (option 140°C)
- Range from -80 to +500°C

Application

TEMPRESS gas filled thermometers, type A78 are designed for all industrial and marine applications where a high quality instrument is required.

The construction can withstand strong vibrations and a harsh environment.

The filling medium is an inert gas 100% environmentally neutral.

The thermometer is normally installed by means of a compression connector (nipple, union or pocket). This secures great flexibility as the immersion length can easily be adjusted as desired. A fixed union with welded retaining ring is also available.

Each and every thermometer has been manufactured with great care and is hand calibrated. The high quality of TEMPRESS instruments secures an instrument with great accuracy, long life and mechanical duration.

Specifications	
DN 80	Type: A7802
DN 100	Type: A7803
Case	DN 80 or DN 100
Material	AISI 304 natural
Bezel	AISI 316 natural
Window	Acrylic, toughened glass or polycarbonate
Execution	Dry or silicone filled
Neck: material	AISI 316
length	20.....200. see page 2
Sensor: material	AISI 316
diameter	Ø10, 12, or 13 mm
~length	L63 ... L560, see page 2
Connection	None (smooth sensor) Thread union G½ or G¾
Range	-80 ... +500°C
Min. span	40°C
Accuracy	Class 1 acc. to EN 13190
Ambient temperature	Standard: -40 ... +100°C Option: -40 ... +140°C with toughened glass and span >100 °C
Enclosure	IP 68 (10 mH2O)

TEMPRESS reserves the right to changes without notice

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Dimensions		
	DN 80	DN 100
A	Ø88	Ø108
B	43	45
C	38	48
Ø	Ø10 Ø12 Ø13	Ø10 Ø12 Ø13
L	min. 140	maks. 560
S	min. 50 maks. 200	min. 50 maks. 200

Range A7802/A7803	
-80-0	-20-0+80
-60-0	-20-0+100
-80-0+20	-20-0+120
-60-0+20	-10-0+50
-60-0+40	-10-0+70
-60-0+50	-10-0+80
-60-0+60	10-0+100
-50-0+10	10-0+110
-50-0+20	
-50-0+50	0-60
-40-0+20	0-80
-40-0+30	0-100
-40-0+40	0-110
-40-0+50	0-120
-40-0+60	0-150
-40-0+80	0-160
-40-0+180	0-200
-30-0+30	0-250
-30-0+50	0-300
-30-0+70	0-350
-30-0+100	0-400
-20-0+40	0-500
-20-0+50	+50+350
-20-0+60	

