



## A7801 Thermometer DN 63 type

Sheet No.: 11-131 GB

### **TEMPRESS thermometer, type A7801**

Totally acid proof stainless steel, AISI316

Compact design

Flexible mounting

Easy to read

Good accuracy

Long-term stability

Fast reaction time

Liquid filled

Kept in stock

Competitive price

## Application

TEMPRESS thermometer, type A7801, is a quality instrument for use in food and beverage or pharmaceutical applications, where there is a need for reliable and easy-to-read temperature gauges.

The thermometer is in a liquid filled 63 mm case with either a bottom or rear immersion tube, and it is made of totally acid proof stainless steel, AISI 316. The immersion tube is smooth and the thermometer is normally mounted with a compression pocket for welding or with clamp. For auxiliary processes a screwed compression gland or pocket can be used (see data sheet 3-15).

The instrument has a built-in bimetallic compensation. This permits a very high ambient temperature (up to 100°C) which means it can be mounted directly onto e.g. steam pipes.

A7801 is a gas filled expansion thermometer. The particular advantages of this principle are, long-term stability, fast reaction time and good accuracy.

SPECIFICATIONS	
Thermometer	Type A7801
Case size material:	AISI304
Front ring Front glass Liquid filling	AISI 316 natural Tempered safety glass Silicone oil
Immersion tube direction material diameter length Sensor (bulb)	. Bottom or rear AISI 316 Ø10 mm L70, L100, L130, L190 and L280 28 mm
Measuring range and accuracy	-40-60°C ±2°C (-30...+50°C) 0-120°C ±2°C (+10...110°C) 0-160°C ±2°C (+20...140°C)
Ambient temperature	-40°C - 80°C (short-term (<8 hours)100°C) (but not above max. scale value, e.g. 60°C)