



TAM813

## TAM

### Capillary tube thermostats with 1.5 m capillary tube

The sensor cartridge at the end of the capillary tube is the actual active (temperature-sensitive) part of the sensor. Changes in temperature on the capillary tube have no effect on the

switching point. Pressure-tight installation of the sensor in pressure vessels of all kinds is possible with the aid of an immersion well.

**SIL 2 according IEC 61508-2**



#### Technical data

<b>Body</b>	Diecast aluminium GD Al Si 12 according to DIN 1725.
<b>Mounting position</b>	Any, preferably vertical
<b>Max. ambient temperature at switching device</b>	+70°C
<b>Capillary tube</b>	Cu capillary tube, 1.5 m long Other capillary tube lengths are not possible
<b>Sensor cartridge</b>	8 mm Ø, 100 mm long, material: Cu
<b>Contact arrangement</b>	Single pole changeover switch
<b>Switching capacity</b>	8 (5) A 250 VAC
<b>Degree of protection</b>	IP 54 according to DIN EN60529 (with vertical installation)
<b>Mounting</b>	Temperature sensor with or without immersion tube in containers, air ducts etc. Switching device with 2 screws (Ø 4) directly on a flat wall surface
<b>Calibration</b>	Scale value corresponds to the lower switching point (with falling temperature), the upper switching point is higher by the amount of the switching differential
<b>Plug connection</b>	Via angled plug to DIN EN175301
<b>Switching temperature</b>	Adjustable via the setting spindle with a screw-driver
<b>Switching differential</b>	Not adjustable

#### Product Summary

Type	Setting range	Switching differential (mean values)	Max. permissible temperature at sensor
<b>TAM022</b>	-20 to + 20 °C	1.5 K	110 °C
<b>TAM150</b>	+10 to + 50 °C	1.5 K	110 °C
<b>TAM490</b>	+40 to + 90 °C	2.0 K	125 °C
<b>TAM813</b>	+80 to +130 °C	2.0 K	150 °C

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#### + Accessories

Immersion tube type ... R 1, R 2, R 3, RN 1, RN 2, see page 157.

#### Dimensioned drawing (mm)

