

# BIMETAL THERMOMETER WITH CONTACTS



122 Vertical Mounting Thermometer



123 Horizontal Mounted Thermometer



124 Horizontal Mounting Thermometer  
with plug-in connection

## FEATURES

- Each thermometer is individually calibrated and tested for precise and accurate indication of temperature.
- Aluminium body and thread provides rugged construction suited for all kind of outdoor applications.
- Resettable maximum temperature indicator.
- Variation of mounting thread and stem length available.
- Sensitive bi-metal helix assures reliable measurement.
- 4-20 mA analog output optional.
- CE marked.
- Special models for C5M or CX environment.
- Conforming to IEC and ANSI standards.

## General:

This bimetal thermometer is used to measure the temperature inside the tank of transformers. The thermometer also provides mechanical visual indication of the maximum temperature observed by the device since it was last reset. These models can also be equipped with up to 2 switches.

## Construction:

The thermometer body is made of a rugged Aluminium alloy body with a Brass stem which houses the custom helical coiled bimetal.

The temperature is displayed by a white needle against a black dial creating a high contrast, making it easily visible. There are upto two individually adjustable switches that can be set to any desired temperature. The cover is held by two knurled screws for easy removal and terminal connections. There is a cable gland provided on the body to ensure sealing.

Technical Specifications		
<b>Material:</b>		
Body	Aluminium alloy.	
Stem	Brass/Stainless Steel.	
Dial Window	UV protected Polycarbonate.	
Dial	Black Dial with White markings.	
<b>Mounting:</b>		
122/123	G $\frac{1}{2}$ " , $\frac{3}{4}$ " or 1"	
124	3/8" NPT or 7/8" - 14 UNF	
<b>Dial Range:</b>		
122	0 $^{\circ}$ - 120 $^{\circ}$ C	
123	0 $^{\circ}$ - 150 $^{\circ}$ C	
124	0 $^{\circ}$ - 120 $^{\circ}$ C / 0 $^{\circ}$ - 160 $^{\circ}$ C	
Accuracy	$\pm 2\%$ of FSD	
Operating Range	3/4 of full scale, short time peaks of the full scale.	
<b>Switch Specifications:</b>		
Switch Type	SPST OR SPDT	
Number of Switches	2 (3 for 124 with 3rd fixed switch).	
Connection Type	Connector Terminals	
Switch Rating	122/123	250V (AC), 5A
		250V (DC), 0.2A
		125V (DC), 0.4A
	124	480, 250, 125V (AC), 11A
		250V (DC), 0.25A
		125V (DC), 0.5A
48V (DC), 1.5A		
Switching Accuracy	Within 2% of FSD.	
Dielectric Insulation	2kV between earth and ground.	
<b>Options:</b>		
Switching	Upto 2 switches available.	
Well & Adaptors	Well & Adaptors available for all models.	
Analog Output	4-20mA linear analog output or PT 100 option only.	
High Corrosion Environment	Models with C5M and CX option.	
Stem Length	Multiple lengths available.	

Please contact us for ordering form/drawings and any further details

Due to our policy of continuous product improvement, dimensions and designs are subject to change.



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