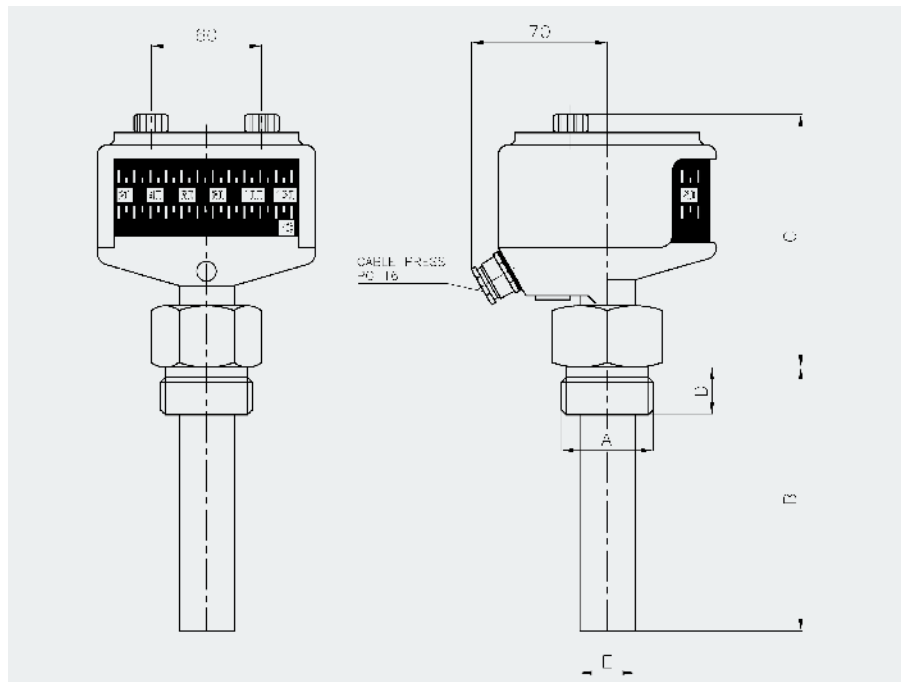




**Bi-Metal Thermometers
DIN 16160 – Part 2**

*Bimetal Thermometer
DIN 16160 – Teil 2*



APPLICATION

This thermometer is designed for indication of oil temperature in both transformers with expansion conservator or hermetically sealed type transformers. It is fitted with two electric switches and a maximum indicating pointer. The thermometer operates efficiently under very hot and very cold weather conditions.

CONSTRUCTION

All components are surface treated or made of corrosion resistant materials. The temperature sensing element is a bimetal helix. Setting of the contacts is indicated on the indicating scale.

CASE

The casted aluminium alloy with electrostatic powder paint. Clear transparent plastic window of UV-resistant polycarbonate. Weatherproof according to DIN 40050 protection class IP 43-IP 55.

SWITCHES

Two micro switches rated at 5 A 250 VAC or 0.2A 250 VDC.

Electrically separated switching circuits. The switches close on temperature rise. Insulation tested to ground at 2000 V for 1 minute.

MAXIMUM INDICATING POINTER

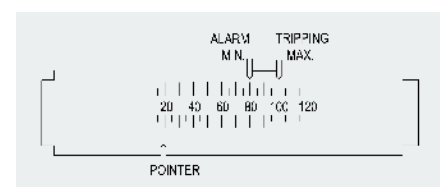
Resettable from the outside by means of a knob.

MEASURING RANGE





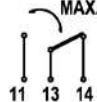



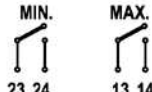


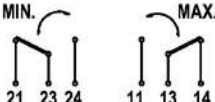
10-120 °C

MEASURING AND SWITCHING ACCURACY

±5°C between 50 and 120°C



Types				Main Dimensions				
with Contact	Code No.	without Contact	Code No.	A	B ±1	C	D	Ø E
TEK 14	411	TES 14	441	R 1/2"	106	117	12	15
TEK 16	421	TES 16	451	R 1"	106	117	12	17
TEKA 16	431	TESA 16	461	R 3/4"	106	117	12	17

Switch Connection and Contact Numbering					
1 Contact Alternatives					
Normally open 1 Contact	Normally open 1 Contact Tripping	Normally open 1 Contact Alarm			
					
Code No. 410001960	Code No. 410001985	Code No. 410001980			
Changeover 1 Contact	Changeover 1 Contact Tripping	Changeover 1 Contact Alarm			
					
Code No. 410001970	Code No. 410001995	Code No. 410001990			
2 Contact Alternatives					
Normally open 2 Contact Alarm	Normally open 2 Contact Tripping	Normally open 2 Contact Alarm Tripping			
					
Code No. 410001940	Code No. 410001930	Code No. 410001970			
Changeover 2 Contact Alarm	Changeover 2 Contact Tripping	Changeover 2 Contact Alarm Tripping			
					
Code No. 410001900	Code No. 410001950	Code No. 410001920			

(When ordering, please indicate the switch connection and numbering type)

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