



BIMETAL THERMOMETERS

(DIN 16 160 – PART 2)

APPLICATION

This thermometer is designed for indication of oil temperature in both 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 aluminum alloy with electrostatic powder paint. Clear transparent plastic window of UV-resistant polycarbonate. Weatherproof according to DIN 40050 protection class IP 43.

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.

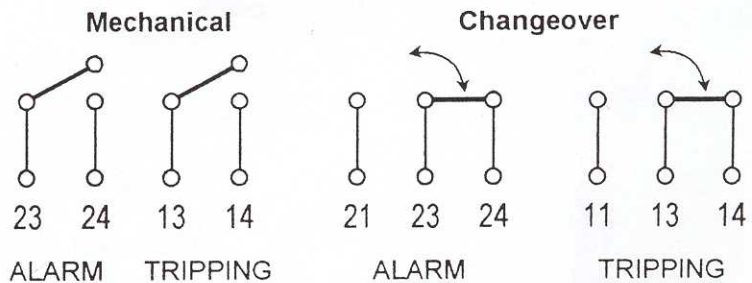
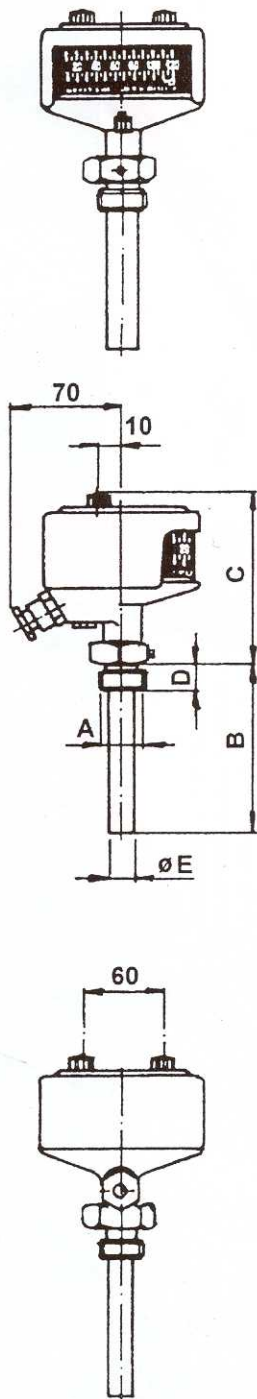
Measuring range

10-120 °C

Measuring and switching accuracy

±5 °C between 50 and 120 °C

SWITCH CONNECTIONS



TYPES				MAIN DIMENSIONS				
WITH CONTACT	CODE NO	WITHOUT CONTACT	CODE NO	A	B ±1	C	D	φE
TEK 14	411	TES 14	441	R1/2"	106	117	12	15
TEK 16	421	TES 16	451	R1"	106	117	12	17
TEK A 16	431	TES A 16	461	R3/4"	106	117	12	17