

# EQUIPMENT FOR MONITORING THE POWER TRANSFORMERS TYPE : IMT 03U

**The equipment** I.M.T. - 03 U measures the current temperature of oil, stores the maximum reached temperature and actuates 4 relays at temperature thresholds pre-settable from the central panel.

**The equipment** has the following outputs:

- E<sub>1</sub> – control for actuating the cooling battery 1
  - E<sub>2</sub> – control for actuating the cooling battery 2
  - E<sub>3</sub> – control for overtemperature signaling
  - E<sub>4</sub> – control for transformer disconnection
  - I – remote temperature indicator (in unified current 4 – 20 mA)
- has in its structure the probe PT 100 = 1 pc.
- are has a local display with LCD and optionally a remote display of 3 ½ digits.
- may be mounted inside or outside the electric switch box of a transformer.
- presetting the control relays, having a hysteresis of 4 °C.
- uses the transducers: - probe PT100
- uses relays with switch contacts 5 A / 250 V AC.

## Technical characteristics:

- **Measurement accuracy:** 1.5 % ± 1 digit ;
- **Supply voltage:**  
220 V AC; 50 Hz (+ 10% to - 15%)
- **Operating temperature:** -20°...+80°C
- **Protection degree:** IP 55;
- **Displayed temperature:** 0°.....+150° C;
- **Overall dimensions:** 240x160x110
- **Weight:** 2.5 kg



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