



# PRECIMEASURE CONTROLS PVT. LTD.

IM-1070-02/R2

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## TEMPERATURE INDICATOR, MODEL - 1070

### MANUAL

#### GENERAL SPECIFICATION:

PRECIMEASURE Model - 1070 is a high performance, Bi-metallic Temperature Indicator/Controller instrument, mainly used for the protection of Distribution Transformers and Industrial Process Control Equipments..

- Segment dial, vertical mounting
- Range 0-120°C
- 2° graduation.
- Accuracy  $\pm 4^\circ\text{C}$  between 40°C to 110°C. .
- Case material aluminum, Sensing bulb material Brass.
- IP55 Protection as per IEC 529 Test cat-II
- No external power supply required for indication or operation
- Sealed system which requires no trimming or periodic site adjustments .
- Maximum Temperature indicating pointer facility.
- Directly Mounted on the Transformer & Other Process Control Equipments.

#### INSTALLATION:

##### MOUNTING:

1. Unpack the instrument carefully from the packing
2. Slacken the M6 HEX SCREW of the Union/Pocket..
3. Remove the Union /Pocket from the Instrument.
4. Fix the Union/Pocket on to Transformer firmly by using Appropriate Spanner.
5. Install the Instrument through the Union/Pocket (insert fully), Set to required direction and then tighten the M6 HEX SCREW to optimum.
6. Care to be taken that, Sensing bulb is not to be damaged while tightening.
7. Make sure that instrument is mounted in vertical position

##### HANDLING:

1. Handle the Instrument with utmost care.
2. Before storing or transportation, pack the instrument in the same way as received from the factory.

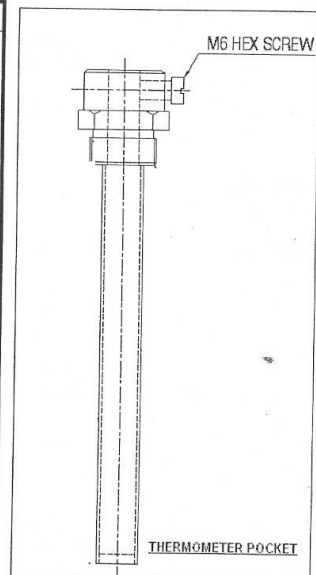
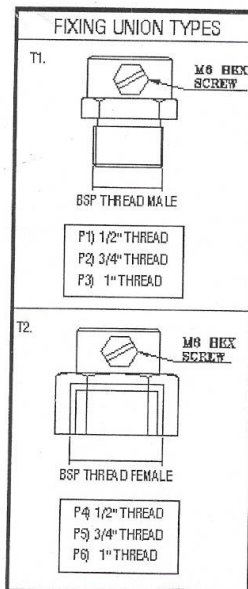
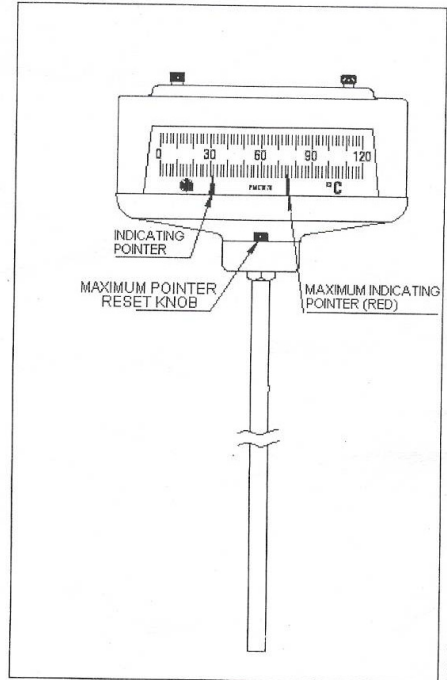
#### MAXIMUM POINTER:

A maximum indicating pointer red in colour is provided, which indicate the Maximum Temperature attained by the instrument and it can be reset to the Actual Temperature by using MAXIMUM POINTER RESET KNOB provided at the bottom of the Instrument.

Slowly push the MAXIMUM POINTER RESET KNOB in anti-clockwise direction till red maximum pointer reaches indicating pointer.

#### AMBIENT TESTING:

Immerse the sensing bulb in to the well-stirred water or oil bath. Keep the bath temperature at 40°C, Use Standard Mercury in Glass Thermometer or Digital Thermometer for comparing with the instrument. Take the reading indicated by the instrument after five minutes and compare with the thermometer reading.



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