

## MODEL 2243A OTI / WTI TEMPERATURE INDICATOR / CONTROLLER FOR OIL COOLED TRANSFORMER

### Application :

This scheme is used to Indicate Oil & Winding Temperature of the oil-immersed transformers. Relays are provided for Alarm, Trip and Cooler Duties, are operated as per the set value. 4-20mA DC signal outputs are provided separately for OTI & WTI for Remote Indication or SCADA Purpose. The System has the facility to store the maximum temperature attained.

### Scheme Consists Of :

1. PT -100 Sensor 1 No.
2. Electronic Temperature Controller 1 No.
3. Thermometer Pocket 1 No. (Optional)
4. Remote indicator 2 No's (Optional)

### Specification :

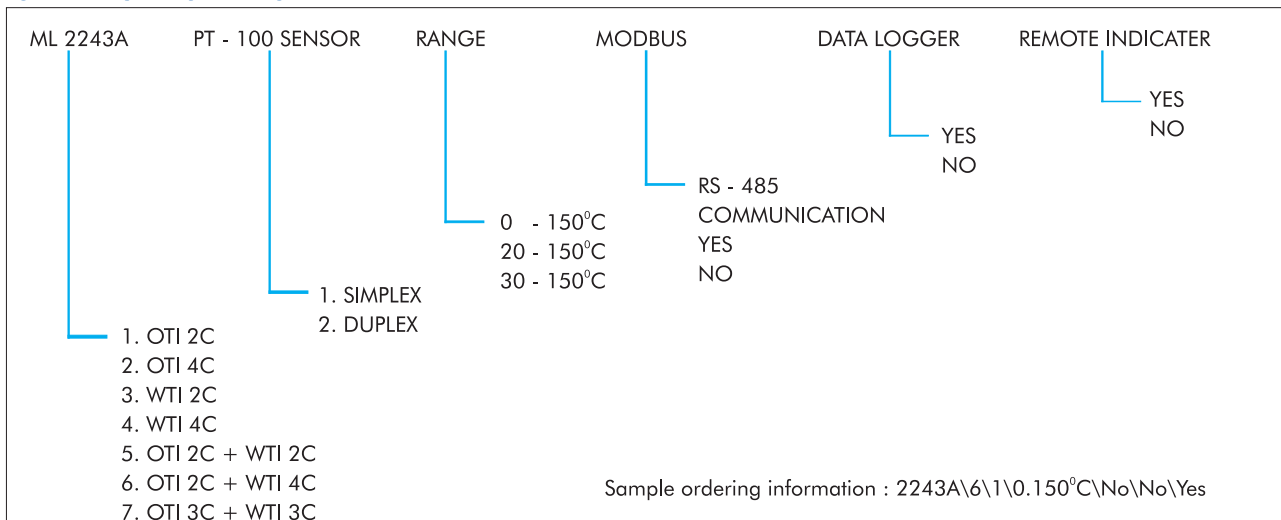


| Description              | Details   |
|--------------------------|---|
| Temperature Sensor input | RTD (Pt -100 IEC 60751)   |
| No. of sensor inputs     | ONE   |
| CT Sec Current Input     | 1.0A to 5.0A (User Selectable)  |
| Temperature Rise         | 1°C to 60°C (User Selectable)   |
| No. of Set-points OTI    | Two Relays for Alarm and Trip (1C/O SPDT Relay contacts)                            |
| No. of Set-points WTI    | Four Relays for Alarm, Trip, Fan 1 and Fan 2 (1C/O SPDT Relay contacts)             |
| Contact Rating           | 5A @ 220 VAC / 5A @ 30 VDC Resistive Load   |
| Range                    | 0-150°C   |
| Resolution               | 0.1°C   |
| Accuracy                 | ± 1°C   |
| Display                  | 0.5" Seven Segment LED Display  |
| Auxiliary Supply Voltage | 90-260 V AC/DC  |
| Signal Outputs           | Two analogue Outputs (4-20mA Suitable for 600 Ohms Burdon) Each 1 No.               |
| Power Consumption        | 5 Watts (Max.)  |
| Weight                   | 2 Kgs Approx. without packing   |
| Enclosure                | Aluminium Pressure Die Casting enclosure, powder coated with acrylic viewing window |
| Communication            | RS-485 MODBUS RTU Protocol & Data logger (Optional)                                 |
| Datalogger               | 90 days storage optional  |
| Operating Temperature    | -30°C to 70°C   |

### Type Tested For Model : 2243A

1. Protection class: IP55 as per IEC 60529 CAT-II
2. Cold Test : -50°C as per IEC 60068-2-1 & Dry Heat Test: +70°C as per IEC 60068-2-2
3. Vibration Test : Amplitude 0.15mm, frequency 10-55Hz, 1Hr 45mins / X,Y & Z axis as per IEC 60068-2-6

### ORDERING INFORMATION



Disclaimer : Precimeasure reserves the right to make any changes in the specification without prior notice.