

MODEL - 1006DH
DIAL TYPE THERMOMETER for
DRY TYPE TRANSFORMER

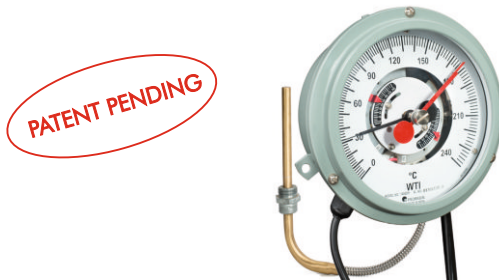
HYBRID WTI

Winding temperatures Indicator & Controller for Dry Type Transformers / Cast-Resin Transformers with built-in RTD scheme for Independent Remote indication and 4-20mA DC output for SCADA connection.

General Features

- The fully sealed liquid expansion in the system provides a self powered indication and operation to the instruments, and does not require any trimming or other periodic adjustments.
- Instruments are fully compensated for ambient temperature.
- **Embedded PT -100 sensor in the sensing bulb of the local WTI for master indication.**
- Current Converter Unit (CCU) is mounted inside the Local WTI, CCU output to be connected to our Extranal PSU or Remote indicator unit.
- Instrument cases are aluminium die casted and polyester powder coated, and provided with projection mounting clamps.
- A maximum pointer facility is provided, can be reset from outside.
- All switch contacts are potential free micro switches

ML : 1006DH



PSU



Remote indicator 96 Sq



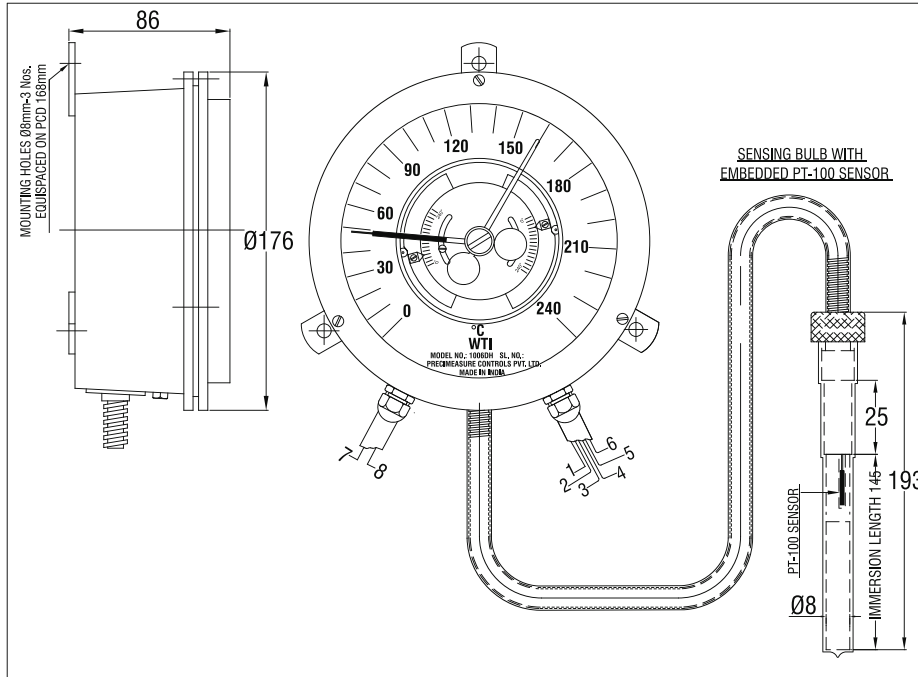
Specifications	Model : 1006DH
Temperature Range	0-240°C
Dial angular Sweep	270°
Dial Graduation	2°C
Accuracy Class	±1.5% of FSD
Max. No. of Switches	2
Contact Rating	5A @ 250V AC, 0.5A @ 220V DC
Switching Range	15% - 85% of FSD
Switch Differential	1°C to 5°C (3°C±2°C)Fixed
Switching Accuracy	±4°C of Set Value
Max. Capillary Length	Up to 6 Mtrs
Switch Test Knob	Available
Window Glass	UV Resistant Polycarbonate
Degree of Protection	IP – 55 (IEC - 60529)
Electrical Connection	1Sqmm. Copper Cable, 1mtr length
Embedded Pt100 sensor	Calibration as per IEC 60751-1985/DIN 43760
Built in CCU	CCU is mounted inside the Local WTI
High Voltage Test	2.5 KV AC, 50Hz/60Hz for 1 minute; Switch Connection and C.T.Terminal to ground. CCU Output 0.5 KV AC 50Hz /60Hz for 1 Minute.

External PSU (Optional)*

Signal input	Suitable for connection from built-in CCU inside Local OTI/WTI
Auxiliary supply input	90-260v AC/DC
Signal Output	2Nos. 4-20mA DC
Burden on signal outputs	Maximum 600Ω including loop resistance
Mounting	Din rail or Screw fixing
Degree of protection	IP 40
High Voltage test	2.5KV 50/60Hz for 1min, all terminals to ground

Remote indicator (Optional)*

Type	Quad Seven segment LED display
Resolution	0.1°C
Auxiliary Supply input	90-260v AC/DC
Degree of protection	IP 20
Operating temperature	0-60°C
Mounting Cutout	92 sq.mm in panel, Mounting side clamp
Signal input	Suitable for connection from built-in CCU inside Local OTI/WTI
Signal output (Options)	4-20mA/RS485/Modbus RTU Protocol/Relays Contact rating 5A, 220v, AC & 1A, 220v, DC
High Voltage test	2.5KV 50/60Hz for 1min, all terminals to ground



Type Tested For

1. Protection class :
IP55 as per IEC 60529 CAT 2.
2. Salt Spray Test :
For polyster powder coating and
SS 304 Armour for 500 Hrs as per
DIN 50021 Standard
3. Micro Switch rating Test :
5A @ 250V AC,
0.5A @ 220V DC

Ordering Information

Model	1006DH
Type of Instrument	WTI
Range	R1. 0 - 240°C
No. of Switches	S2 - 2 switches
Switch Configuration	L - Normally open contact L2 - Changeover contact
Capillary Length	C3 - 3mtrs C4 - 4mtrs C5 - 5mtrs
CCU Output for indication / Scada	RI - Remote indicator (for options please see Note below) or PSU - External Power supply with 2 Nos. of 4-20mA Output

Note:

Remote indicator	Options T1 - Indication only. T2 - 2Nos, 4-20mA DC outputs. T3 - one 4-20mA DC output + 2Nos. Change over relay contacts T4 - one 4-20mA DC output + RS 485 Modbus RTU protocol T5 - 4Nos. of 4-20mA DC outputs.
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Sample Ordering Information : 1006DH\WTI\R1\S2\L\C2\RI-T1

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