



44 100 030360 E3

Ajay Syscon Private Limited

(A Joint Venture with Syscon International Inc. U.S.A.)

8/20 Erandwana, Off Karve Road, Pune - 411 004, India

Tel: +91 20 2543 9582 / 83 Fax: +91 20 2543 9581

Email: metallurgical-instrument@metachem.in

www.metachem.in



Branches: • Ahmedabad • Bangalore • Belgaum • Chandigarh • Chennai • Coimbatore • Delhi • Hyderabad • Jalandhar
• Kolhapur • Kolkata • Ludhiana • Nagpur

TEMPMASTER® 530T



PRECISE MEASUREMENT OF MOLTEN METAL TEMPERATURE FOR STEEL PLANTS AND FOUNDRIES

Features

- Easy to use, wall mountable, rugged, reliable & accurate unit that survives the toughest conditions.
- Flat Plateau Detection Software.
- Indicate true Bath Temperature within seconds.
- No false or random reading due to microprocessor based system.
- 4 inch Large LED Display.
- Zero Maintenance.
- Automatic error detection.

TEMPMASTER® 530T is a carefully designed equipment that makes it different from time based, Peak Hold Temperature indicator or recorder. The microprocessor scans the information received from the THERMOTIP in a new & unique way to pinpoint true temperature reading. This FLAT PLATEAU DETECTION software ignores random and unstable readings caused by slag temperature differentials, furnace hot spots, transient electrical spikes etc. The conversion of millivolts to temperature is also done mathematically to take complete care of nonlinear characteristics of platinum thermocouples, leaving “no-room” for any false reading. With our THERMOTIP or MINITIPS it takes about 3 to 5 seconds. This unique system while used with our different types of THERMOTIPS provides you fast and accurate control of molten metal temperature. Signal lights indicate measuring sequence. Detection and indication of operational errors are shown on display immediately when observed. In addition to cutting the cost and maintenance free operation, it also gives comfort and safety to operator. Considering lifelong performance and low running cost, **TEMPMASTER® 530T** gives a total economical solution.



CONSUMABLES

We manufacture various types of expendable immersion thermocouple tips based on IPTS 68 Standard with thermocouple type R/S/B.

TYPE III & MINITIPS These are useful to measure temperature of molten metal with slag, single time use. Available in different paper tube lengths.

BMD TIPS These are used 6 to 8 times to measure temperature of molten metal in slag free conditions.

Specification of TEMPMASTER® 530T

Temperature Measuring Range	540° C to 1800° C
Operating Temperature Range	0° C to 50° C
Temperature Detection Method	Flat Plateau
Power Supply	230 V AC \pm 10 V, 50 Hz
Power Consumption	25 Watts
T/C Element	Pt/Pt Rh 10%, 13%, 6/30%
Accuracy	\pm 1° C
Calibration	IPTS 68
Housing	Dust proof M.S. Cabinet
Linearisation	Throughout the range
Response	3 to 5 seconds
Display size	4"
Size in mm	560 x 300 x 100 (H)
Weight	9 Kg

All our products are certified to meet ISO/QS standards

Specifications may change without prior notice due to continuous development