



Dry Block Calibrator

TE-25N/TE-35N/TE-50N

-25 °C to 155 °C

- 3 in 1
- Ready to use
- Best value for money

PRESYS



- Resolution of 0.01 °C.
- Stability of ± 0.02 °C for all the temperature range.
- Input for RTD, thermocouples and thermostats.
- Internal regulated 24 Vdc power supply and mA input for 2-wire transmitters.
- Complete automatic calibration with or without the use of a computer (auto-cycling).
- Documenting capabilities: connection with computer and ISOPLAN® calibration software.
- Remote Control via Bluetooth and Android application



PRESYS®

The TE-25N / TE-35N and TE-50N calibrators are one of the fastest and best value for money negative/positive dry block on the market offering functionalities only found on high-end models of competitors.

With his embedded documenting controller/calibrator, the TE-25N / TE-35N and TE-50N controls temperature over an insert in order to calibrate automatically and with programmed cycles, thermocouples, thermoresistances, thermostiches, etc.

3 in 1

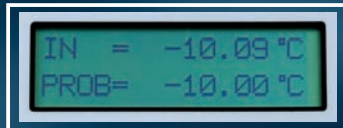
It incorporates the function of a dry block, a standard thermometer and a calibrator for the measurement of signals generated by the thermocouples, thermoresistances and transmitters eliminating the need of a second calibrator and a computer to do your daily calibration work.



Presys High-Performance Controller / Calibrator

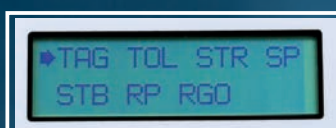


Simultaneous Display of DUT Input and Temperature Reference Probe.

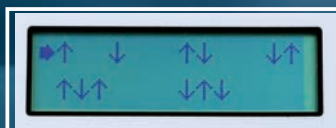


Selection of Various Display Options.

Embedded Complete Calibrator with Documented Capabilities

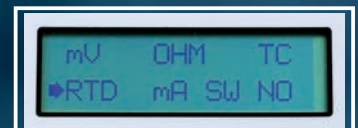


Define your Calibration Cycle and Parameters.

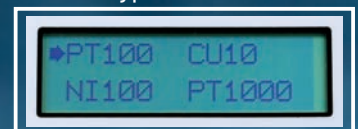


Runs Automatically the Calibration Cycle and Stores the Values.

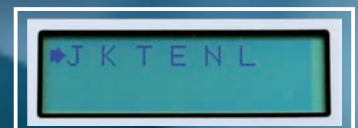
Choose your DUT Input.



Different Types of RTDs.



Selection of Thermocouples.



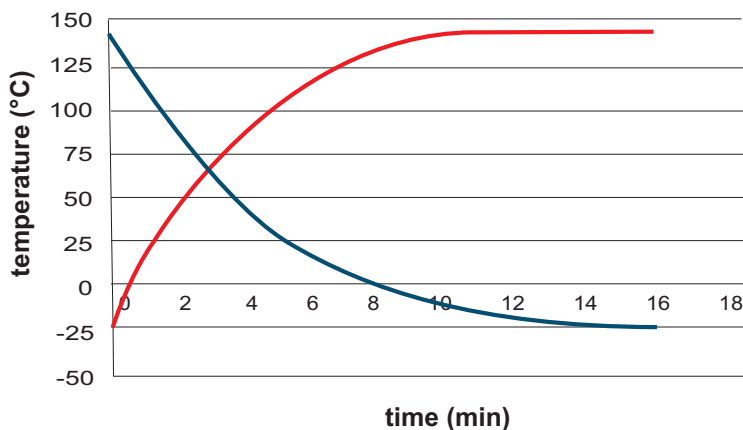
Common Features of our TE Economic Series

- ▶ Liquid Cristal Display - LCD.
Electric Power Supply: 115 or 230 Vac, 50/60 Hz.
- ▶ Unit/Temperature Scales: °C, °F, IPTS-68 or ITS-90, user selectable.
Serial Communication: Modbus® RTU Protocol (RS-232/RS-485) and Bluetooth.
- ▶ Input Thermocouple: J, K,T, N, L: ± 0.2 °C @ 660 °C / E: ± 0.1 °C @ 660 °C.
CJC Accuracy: ± 0.2 °C.
- ▶ Input RTD: 2, 3, 4 Wires / Pt-100, Pt-1000, Cu-10, Ni-100 / ± 0.1 °C.
Input Current: -1 to 24.5 mA, ± 0.02% FS.
- ▶ Transmitter Power Supply: 24 Vdc regulated.

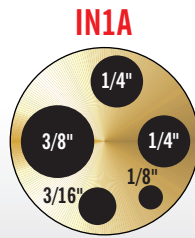
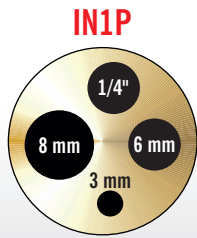


Model	TE-25N	TE-35N	TE-50N
Operating Range ambient temperature: 23 °C	-25 °C to +155 °C	-35 °C to +155 °C	-50 °C to +155 °C
Accuracy with internal Reference:	± 0.1 °C	± 0.1 °C	± 0.1 °C
Resolution:	0.01 °C	0.01 °C	0.01 °C
Stability:	± 0.02 °C	± 0.02 °C	± 0.02 °C
Axial Uniformity (40 mm) Dry Block:	± 0.05 °C Full range	± 0.06 °C Full range	± 0.07 °C Full range
Radial Uniformity Dry Block:	± 0.01 °C Full range	± 0.01 °C Full range	± 0.02 °C Full range
Heating Time:	10 min (25 °C to 140 °C)	16 min (25 °C to 140 °C)	11 min (25 °C to 140 °C)
Cooling Time:	11 min (25 °C to -25 °C)	16 min (25 °C to -35 °C)	25 min (25 °C to -50 °C)
Electric Power:	200 W	300 W	400 W
Well Diameter x Depth:	Ø 25.4 mm (1") x 124 mm	Ø 25.4 mm (1") x 124 mm	Ø 25.4 mm (1") x 124 mm
Dimension (HxWxD):	260 x 180 x 305 mm	260 x 180 x 270 mm	315 x 180 x 270 mm
Weight:	9.0 kg	10.0 kg	12.0 kg

TE-25N Dry Block is fast, really fast!



Insert Models



- One standard insert included (default is IN1P).
- Consult our website or factory for all insert dimensions and types available.
- Presys can provide custom inserts with minimum 3mm separation between holes, consult Presys with your specific requirements

Inserts

Models	Holes	Order Code
IN01	1x 3/4"	06.04.0011-00
IN02	1x 1/2"	06.04.0012-00
IN03	1x 6.0 mm and 3x 1/4"	06.04.0013-00
IN04	3x 6.0 mm and 1x 1/4"	06.04.0014-00
IN05	4x 6.0 mm	06.04.0015-00
IN06	2x 6.0 mm and 2x 1/4"	06.04.0016-00
IN07	1x 6.0 mm 1x 8.0 mm and 1x 3/8"	06.04.0017-00
IN08	1x 6.0 mm 1x 3.0 mm and 2x 1/4"	06.04.0018-00
IN09	Without hole, to be drilled by the client	06.04.0019-00
IN10	Others, under ordering	06.04.0020-00
INCL	Cup-like insert (for use with tiny steel balls)	06.04.0086-00
IN1P	1 x 3mm, 1 x 6mm, 1 x 8mm, 1 x 1/4"	06.04.0121-00
IN1A	1 x 1/8", 1 x 3/16", 2 x 1/4", 1 x 3/8"	06.04.0122-00
IN1E	1 x 4mm, 1 x 6mm, 1 x 1/4", 1 x 8mm, 1 x 10mm	06.04.0123-00

Order Code

Power Supply TE-25N / TE-35N / TE-50N - - IN

1 - 115 Vac 2 - 230 Vac

Included Insert _____

Choose from those listed above.

Included Items

Insert (selectable), insert extractor tool, test leads, power cord, manual and calibration certificate.

Optional Accessories

- Soft Carrying Case - Order Code: 06.01.0006-00
- Communication Interface - Order Code: 06.02.0002-00
- Cup-like insert and tiny steel balls



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