



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 thermoswitches.
- 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, thermoswitches, 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

Internal
Reference
Probe
Set Point

Simultaneous Display of DUT Input
and Temperature Reference Probe.

IN = -10.00°C
PRBi = -10.00°C

-10.00 RTD °C

-10.00 PRi °C

Selection of Various Display Options.

Runs Automatically the Calibration
Cycle and Stores the Values.



Embedded Complete Calibrator
with Documented Capabilities

→TAG EXEC VERIF
ADDRESS TAGMAN

→TAG TOL STR SP
STB RP RGO RGI

→↑ ↓ ↑↓ ↓↑
↑↓↑ ↓↑↓

Current Input

Thermocouple Input

Transmitter Power
Supply 24 Vdc

RTD Input
2, 3, 4 wires

Choose your DUT Input.

mV OHM TC
→RTD mA SW NO

Different Types of RTDs.

→PT100 CU10
NI100 PT1000

Selection of Thermocouples.

→J K T E N L

Common Features of our TE Economic Series

► Display - OLED.

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, $\pm 0.02\%$ FS.

► Transmitter Power Supply: 24 Vdc regulated.



Model

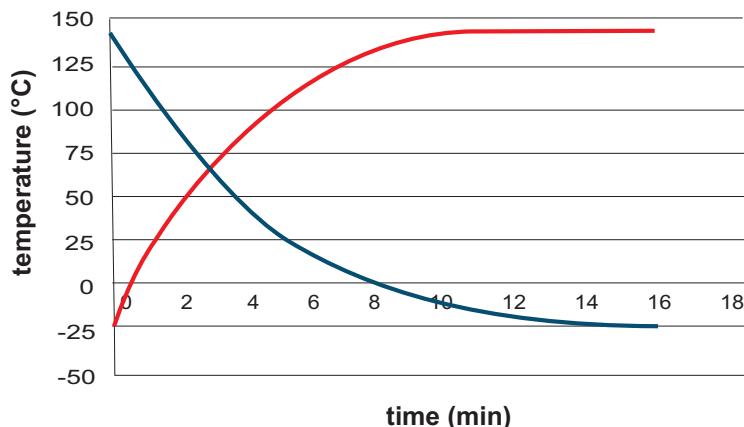
TE-25N

TE-35N

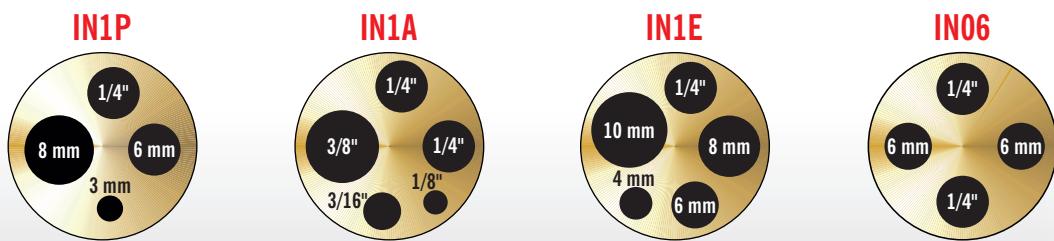
TE-50N

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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Your Distributor: