Muntifunctional Temperature Calibrator T-35NH

- ✓ Generates temperatures from -35 ºC to 140 ºC.
- ✓ Dry Block and Black Body Inserts.
- ✓ It reaches the temperature of -35 ºC from the ambient temperature of 23 ºC.
- ✓ Horizontal mounting, facilitates infrared pyrometer calibrations.



Technical Specifications

	T-35NH
Operating Range ambient temperature: 23 °C	-35 °C to 140 °C
Display Accuracy:	± 0.1 °C
Resolution:	0.01 °C
Stability:	± 0.02 °C
Heating Time:	24 min (25 °C to 140 °C)
Cooling Time:	23 min (25 °C to -35 °C)
Temperature Uniformity:	± 0.05 °C

Weight:	12.7 kg
Electric Power:	400 W
Units / Temperature Scales:	°C or °F / IPTS-68 or ITS-90, user selectable
Display:	OLED Graphic
Well Diameter x Depth:	Ø 35 mm x 160 mm
Dimension (HxWxD):	205 x 399 x 303 mm
Warranty:	1 year, except for rechargeable battery and elements of Peltier effect

Electrical Input Specifications

Inputs Ranges		Resolution	Accuracy
milivolt	-150 to 150 mV	0.001 mV	± 0.01 % FS*
	150 to 2450 mV	0.01 mV	± 0.02 % FS
mA	-1 to 24.5 mA	0.0001 mA	± 0.01 % FS
resistance	0 to 400 Ω	0.01 Ω	± 0.01 % FS
	400 to 2500 Ω	0.01 Ω	± 0.03 % FS
Pt-100	-200 to 850 °C	0.1 °C	± 0.1 °C
Pt-1000	-200 to 400 °C	0.1 °C	± 0.1 °C
Cu-10	-200 to 260 °C	0.1 °C	± 2.0 °C
Ni-100	-60 to 250 °C	0.1 °C	± 0.2 °C
TC-J	-210 to 1200 °C	0.1 °C	± 0.2 °C
TC-K	-270 to -150 °C	0.1 °C	± 0.5 °C
	-150 to 1370 °C	0.1 °C	± 0.2 °C
TC-T	-260 to -200 °C	0.1 °C	± 0.6 °C
	-200 to -75 °C	0.1 °C	± 0.4 °C
	-75 to 400 °C	0.1 °C	± 0.2 °C
TC-E	-270 to -150 °C	0.1 °C	± 0.3 °C
	-150 to 1000 °C	0.1 °C	± 0.1 °C
TC-N	-260 to -200 °C	0.1 °C	± 1.0 °C
	-200 to -20 °C	0.1 °C	± 0.4 °C
	-20 to 1300 °C	0.1 °C	± 0.2 °C
TC-L	-200 to 900 °C	0.1 °C	± 0.2 °C

(*) FS = Full Scale.
Accuracy values are valid within one year and temperature range from 20 to 26 °C. Outside these limits add 0.001 % FS / °C, taking 23 °C as the reference temperature.
For thermocouples with internal cold junction compensation, add a cold junction compensation error of ± 0.2 °C or ± 0.4 °F.

Order Code

T-35NH – □ – IN □□ – □□

Power Supply
1 - 115 Vac
2 - 230 Vac

Included Insert
Choose from those listed below. Unless specified, the accompanying insert is IN06.

Optional
BB - Black Body Insert

Accessories

Inserts	Holes	Order Code T-35NH
IN01	1x 3/4"	06.04.0041-00
IN02	1x 1/2"	06.04.0042-00
IN03	1x 6.0 mm and 3x 1/4"	06.04.0043-00
IN04	3x 6.0 mm and 1x 1/4"	06.04.0044-00
IN05	4x 6.0 mm	06.04.0045-00
IN06	2x 6.0 mm y 2x 1/4"	06.04.0046-00
IN07	1x 6.0 mm, 1x 8.0 mm y 1x 3/8"	06.04.0047-00
IN08	1x 6.0 mm, 1x 3.0 mm y 2x 1/4"	06.04.0048-00
IN09	Without hole, to be drilled by the client	06.04.0049-00
IN10	Others, under ordering	06.04.0050-00
IN1P	1x 3.0 mm, 1x 6.0 mm, 1x 8.0 mm and 1x 1/4"	06.04.0125-00
IN1A	1x 1/8", 1x 3/16", 2x 1/4" and 1x 3/8"	06.04.0126-00
IN1E	1x 4.0 mm, 1x 6.0 mm, 1x 8.0 mm, 1x 10.0 mm and 1x 1/4"	06.04.0127-00

Black Body Kit for T-35NH - Order Code: 06.04.0095-00;
Probe Angular - Order Code: 04.06.0002-00; Black Body Insert - Order Code: 06.04.0072-00.

PRESYS®

MANAGEMENT SYSTEM TÜVRheinland Brasil NBR ISO 9001 QUALITY