Muntifunctional Temperature Calibrator T-1200PH

- ✓ Generates temperatures from 50 ºC to 1200 ºC.
- ✓ Dry Block and Black Body Inserts.
- ✓ Horizontal mounting, facilitates infrared pyrometer calibrations.



Technical Specifications

T-1200PH	
Operating Range ambient temperature: 23 °C	50 °C to 1200 °C
Display Accuracy:	± 3 °C
Resolution:	± 0.1 °C
Stability:	± 0.2 °C
Heating Time:	45 min (100 °C to 1200 °C)
Cooling Time:	5h (1200 °C to 200 °C)
Temperature Uniformity:	± 0.4 °C

Weight:	10.3 kg
Electric Power:	2300 W
Units / Temperature Scales:	°C or °F / IPTS-68 or ITS-90, user selectable
Display:	OLED Graphic
Well Diameter x Depth:	Ø 34 mm x 130 mm
Dimension (HxWxD):	205 x 339 x 303 mm
Warranty:	1 year

Electrical Input Specifications

Input 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-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	-50 to 300 °C	0.1 °C	± 1.0 °C
	300 to 1760 °C	0.1 °C	± 0.7 °C
TC-S	-50 to 300 °C	0.1 °C	± 1.0 °C
	300 to 1760 °C	0.1 °C	± 0.7 °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-1200PH – ☐ – 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-1200PH
IN01	1x 3/4"	06.04.0031-00
IN02	1x 1/2"	06.04.0032-00
IN03	1x 6.0 mm and 3x 1/4"	06.04.0033-00
IN04	3x 6.0 mm and 1x 1/4"	06.04.0034-00
IN05	4x 6.0 mm	06.04.0035-00
IN06	2x 6.0 mm y 2x 1/4"	06.04.0036-00
IN07	1x 6.0 mm, 1x 8.0 mm y 1x 3/8"	06.04.0037-00
IN08	1x 6.0 mm, 1x 3.0 mm y 2x 1/4"	06.04.0038-00
IN09	Without hole, to be drilled by the client	06.04.0039-00
IN10	Others, under ordering	06.04.0040-00

Black Body Kit for T-1200PH - Order Code: 06.04.0074-00;
- Thermocouple type "N" with mineral insulation TCN2 - Order Code: 01.22.0088-00;
- Black body insert - Order Code: 06.09.0106-00;
- Lower thermal insulation for the black body - Order Code: 02.22.0129-00;
- Upper thermal insulation of the black body - Order Code: 02.22.0130-00;
- Accessories Case (transport) - Order Code: 06.01.0013-00.

PRESYS®

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