

PRESYS

Temperature Dry Block Generators TG LINE



The **PRESYS** TG Temperature Dry Block Generators Line features high levels of thermal performance in terms of stability and homogeneity.

Calibrations can be performed using external temperature sensors connected to **PRESYS** Calibrators.



PRESYS
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EF0958-01

Technical Specifications

TG-25N / TG-350P / TG-650P / TG-1200P

Dry Block Temperature Generators

Models	TG-25N	TG-350P	TG-650P	TG-1200P
Operating Range:	-25 °C to 155 °C	ambient to 350 °C	ambient to 650 °C	50 °C to 1200 °C
Display Accuracy:	±(0.1 °C + 0.1% (of the reading))	±(0.1 °C + 0.1% (of the reading))	±(0.1 °C + 0.1% (of the reading))	± 3.8 °C
Resolution:	0.1 °C	0.1 °C	0.1 °C	0.1 °C up to 999.9 °C 1.0 °C above 999.9 °C
Stability:	± 0.06 °C	0.1 °C	± 0.2 °C	± 0.2 °C
Axial Uniformity (homogeneity) TG-350P / TG-650P (40mm) TG-1200 (20mm):	± 0.05 °C throughout the range	± 0.10 °C @ 50 °C ± 0.17 °C @ 150 °C ± 0.25 °C @ 350 °C	± 0.17 °C @ 50 °C ± 0.35 °C @ 300 °C ± 0.7 °C @ 650 °C	± 0.10 °C @ 50 °C ± 0.30 °C @ 650 °C ± 0.50 °C @ 1100 °C
Radial Uniformity (homogeneity):	± 0.01 °C throughout the range	± 0.03 °C @ 50 °C ± 0.05 °C @ 150 °C ± 0.07 °C @ 350 °C	± 0.10 °C @ 50 °C ± 0.17 °C @ 300 °C ± 0.35 °C @ 650 °C	± 0.05 °C @ 50 °C ± 0.15 °C @ 650 °C ± 0.25 °C @ 1100 °C
Heating Time:	10 min (25 to 140 °C)	10 min (50 °C to 350 °C)	15 min (50 °C to 650 °C)	100 min (100 °C to 1200 °C)
Cooling Time:	11 min (25 °C to -25 °C)	12 min (350 °C to 100 °C)	22 min (650 °C to 200 °C)	5 h (1200 °C to 200 °C)
Well Diameter x Depth:	Ø 25.4 mm x 125 mm	Ø 32 mm x 125 mm	Ø 32 mm x 125 mm	Ø 34 mm x 130 mm
Temperature Units / Scales:	°C or °F / ITS-90 selected by the user			
Dimensions (HxWxD):	340 x 200 x 320 mm			350 x 205 x 325 mm
Weight:	8.3 kg	7.5 kg	9.5 kg	7.4 kg
Electrical Power:	200 W	500 W	1000 W	2300 W
Operating Environmental Conditions:	0 to 50 °C / 0 to 90% UR			

Order Code

TG-25N / TG-350P / TG-650P / TG-1200P - - IN -

Power Supply

- 1 - 115 Vca
- 2 - 230 Vca

Included Insert

Choose an insert listed below

Communication

- 0 - Not used
- 1 - RS-232

Serial Communication: Modbus® RTU Protocol (RS-232/RS-485).

Included with the calibrator: Chosen by the customer,
Insert Extractor (drilling according to the chosen model),
Power Cable (code 01.14.0086-00),
Technical Manual (QR code).

Optional Accessories:

Soft carrying case (code 06.01.1052-00).