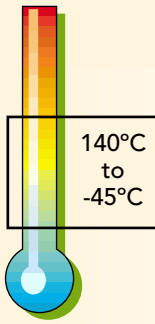


520 Europa-6

P.O.T.T.S.

P POINTS O ON T THE T TEMPERATURE S SCALE



The multi-functions of the EUROPA-6 is a unique concept from Isotech, so unique that it is currently the subject of a patent application.

The EUROPA-6 is a complete calibration laboratory working over the temperature range 65°C below ambient temperature to +140°C. It permits the calibration of temperature sensors absolutely (at fixed points of the ITS-90 scale) or by comparison to a reference standard.

It will calibrate both contact and non-contact thermometers such as optical pyrometers, surface sensors, as well as thermistors, thermocouples and resistance thermometers, whether they are short, long or odd shaped. Further it permits maintenance of reference standards by confirming the Water triple point at regular intervals.

The EUROPA-6 has a calibration volume of 35mm diameter by 160mm deep and is supplied with the very latest technology digital indicator and controller making the EUROPA-6 a complete self-contained calibration laboratory.

The EUROPA-6 offers unprecedented accuracies of 0.001°C (2 Sigma) at the Water triple point and the Gallium melt temperature of 29.7646°C and the Mercury Triple Point of -38.8344°C.

Model No.	520
Temperature Range	65°C below ambient to +140°C
Absolute minimum temperature	-45°C
Absolute stabilities over 30 minutes:	
Metal Block Bath	±0.03°C
Stirred Liquid Bath	±0.025°C
Ice/Water Bath	±0.001°C
Black Body Source	±0.3°C
Surface Sensor	
Calibrator	±0.5°C
ITS-90 Fixed Point	±0.001°C
Heating / Cooling	See Graph
Stabilisation Times	10 minutes
Calibration volume	35mm diameter x 160mm deep
Uniformity	±0.018°C
Controller Resolution	0.1 to 0.01 (4 digit display)
Indicator Resolution	0.1 to 0.01 (4 digit display)
Indicator Units	°C, °F, K
Communications	Supplied as standard with serial interface, PC adaptor cable and Cal Notepad. Refer to page 46
Power	300W, 108-130 or 208-240VAC, 50/60Hz
Overall dimensions	Height 322mm Width 176mm Depth 262mm
Weight	14kg

How to order

520 Europa-6 P.O.T.T.S.

Please specify voltage required

P.O.T.T.S. 520 Europa-6

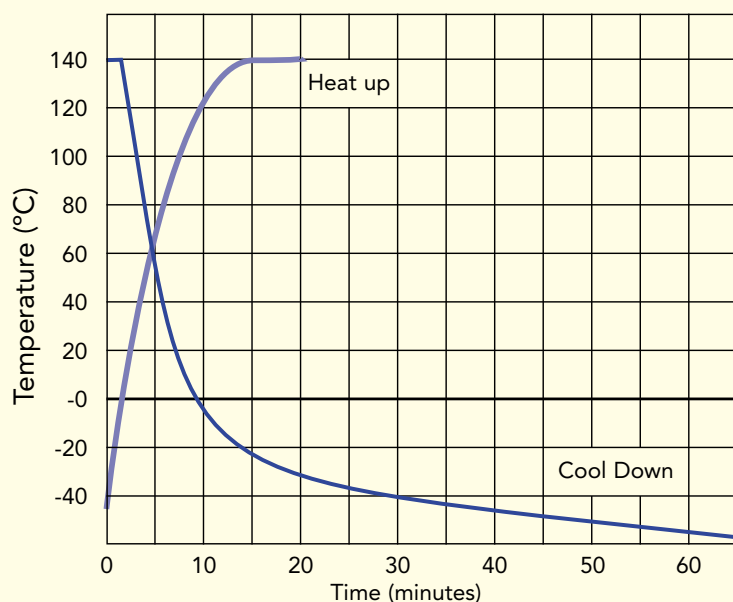


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520 Europa-6

P.O.T.T.S.

EUROPA-6 Heat Up / Cool Down
GRAPH with insert fitted



Metal Clad Slim Cell



Options

Metal Block Bath	Standard Insert 2 x 4.5 mm, 2 x 6.4 mm, 1 x 8 mm and 1 x 9.5 mm holes x 155 mm deep. Non-standard Insert - please consult Isotech
Stirred Liquid Bath	Stirred Liquid Container (For alcohols, water & oil) C20 Oil (ambient to +150°C) 0.1 litre required Liquid in Glass Thermometer Support kit
Stirred Ice/Water Bath	Stirred Liquid Container (For alcohols, water & oil) Liquid in Glass Thermometer Support kit
Blackbody Source	Blackbody Target
Surface Sensor Calibrator	Surface Sensor Calibrator Kit
ITS-90 Fixed Point	ITL M 17724M Slim Triple Point of Mercury Cell ITL M 17401M Slim Gallium Melting Point Cell D8 Slim Triple Point of Water Cell

Additional accessories

935-14-82 Semi-Standard Probe

931-22-27 Carrying Case

UKAS 5 Point Comparison Calibration