

Thermaplate

COLOUR FASTNESS AND STABILITY TESTER 620

TECHNICAL DATA

Temperature Range: Ambient – 220°C

Accuracy: 1°C

Warm Up Time: Approx. 15 min

Dimensions of Heated Plates: 210 x 210mm

**Maximum Thickness
(between plates):** 15mm

Weight of Lid: 4000g

Overall Dimensions: 425 x 400 x 150mm

Weight: Approx. 13kg

Electrical Loading: 1.2kW



KEY FEATURES

- > **Space efficient** – occupies only a small area of benching
- > **Easy calibration** – lid designed to facilitate calibration; optional independent Temperature Measurement Kit; and fully traceable certification (ISO/IEC 17025 compliant) available
- > **Operator safety** – positive park position for lid; cool exterior surfaces; and warning light which illuminates when plate temperatures exceed 60°C
- > **Efficient temperature control** – independent digital controllers for top and bottom plates; controllers continuously display set (target) and actual temperatures; and insulating board supplied as standard
- > **Accurate timing** – a digital timer, pre-settable, in increments of 1 second up to 1 hour, is activated automatically when the lid is closed
- > **Standards** – complies with all relevant European, American and Retailers' Standards/Methods
- > **Consumables** – comprehensive range of standards-specific materials available; Multifibres, Grey Scales, as well as Felt and Cotton Limbric (*cut-to-size* in order to achieve the correct operating pressures)



APPLICATIONS

- > **Colour fastness to dry heat** – Used mainly by fabric producers and dyers and finishers to predict colour changes on dyed and printed fabrics, during subsequent heat treatments
- > **Colour fastness to hot pressing** – Used mainly by fabric producers, dyers and finishers and garment makers to determine the resistance of the colour of textiles to change and transfer, when subjected to ironing and to processing on hot cylinders; tests may be carried out on dry, wet and/or damp specimens
- > **Thermal stability** – Used by fabric producers, dyers and finishers and garment makers to predict the shrinkage of heat set, synthetic fabrics and particularly those, which will be fused together during making up; also used to control the heat setting process
- > **Sublimation Fastness** – Used by polyester producers to select disperse dyes with sublimation characteristics to match their product and process



HEALINK

- > **Thermaplate** is another *world-class* product, fully supported by **HEALINK** – our *world-leading* Maintenance and Calibration Service – covering installation, operator training, regular maintenance, ISO/IEC 17025 compliant calibration and on-line technical and applications support. *Please ask for more details.*

THERMAPLATE COLOUR FASTNESS AND STABILITY TESTER 620...

How to Order

620	906-601 THERMAPLATE 230V 50/60Hz
STANDARD ACCESSORIES	
794-827	1 x Specimen Platform
794-826	1 x Insulating Board
CALIBRATION	
201-620	ISO Certificate of Calibration for Thermaplate
CONSUMABLES – ISO 105 P01	
702-500	HEAL'S Multifibre Adjacent Fabric DW – per roll (10m)
766-200	HEAL'S Grey Scale for assessing Change in Colour
766-201	HEAL'S Grey Scale for assessing Staining
CONSUMABLES – ISO 105 X11	
702-447	Woven Felt 125 x 90mm – per pack (10)
702-446	Cotton Limbric 125 x 90mm – per pack (20)
766-200	HEAL'S Grey Scale for assessing Change in Colour
766-201	HEAL'S Grey Scale for assessing Staining
CONSUMABLES – M & S P10	
772-133	Ruler 300mm/12in
CONSUMABLES – M & S C13	
766-200	HEAL'S Grey Scale for assessing Change in Colour
CONSUMABLES – AATCC 117	
702-403	Multifiber Adjacent Fabric Style 10A – per pack (1m)
766-512	AATCC Gray Scale for Color Charge
766-513	AATCC Gray Scale for Staining
CONSUMABLES – AATCC 133	
702-447	Woven Felt 125 x 90mm – per pack (10)
702-446	Cotton Limbric 125 x 90mm – per pack (20)
766-512	AATCC Gray Scale for Color Charge
766-513	AATCC Gray Scale for Staining
ACCESSORIES	
794-903	Temperature Measurement Kit
STANDARDS	
ISO 105 P01 Colour fastness to heat treatments	
ISO 105 X11 Colour fastness to hot pressing	
AATCC 117 Color fastness to dry heat	
AATCC 133 Color fastness to heat : Hot pressing	
M & S P10 Thermal stability	
M & S C13 Colour fastness to hot pressing	
Adidas 5.09 Color migration of fabrics	
JIS L 0879 Test Methods for colour fastness to dry heat	
JIS 0850 Test Methods for colour fastness to hot pressing	



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