



Laundrometer (Wash Fastness Tester)

INTRODUCTION

To determine the Colour Fastness to washing or dry cleaning to ISO, BS, AATCC Standards (Optional) & SDC Standards (Optional). Fitted with Process timer, Digital electronic temperature controller, Drain tap, Inching facility for loading/unloading of quick fit jars.

NOTE: Our Instrument can also be used of checking the color fastness against Bleaching & Dry cleaning.

EQUIPMENT

The main bath is a S.S. water bath, which is electrically heated with thermostatic controls. The bath is heated by means of two immersion heaters and the temperature of the bath is indicated on a digital thermometer. The bath has a hinged lid made of stainless steel sheet.

The bath is provided with 8 stainless steel vessels (jars). In these jars the standard soap solution and the test specimens are kept during the test. The jars are provided with rubber seals for water tight closing. They are held in a stainless steel rotor assembly mounted on a stainless steel shaft at the center of the bath.

The assembly rotates at a speed of 40 plus minus 2 R.P.M. the. The Rotor assembly rotates with the help of an electronic motor and reduction gearbox.

Instrument is supplied complete with below accessories

MAIN BATH: Made of Stainless Steel	: 01 No
PER-HEATING BATH: Made of Stainless Steel. (Optional)	: 01 No
S.S. Test vessels (Jars/Beakers)	: 08 Nos.
Gaskets – (Fitted in the Beakers)	: 08 Nos.
Beaker Opener – For opening the Beaker top	: 01 No
ECE (B) WOB (Pack of 100 gm) - For initial Test	: 01 No
Sodium Perborate – 500gms	: 01 No
Non-corrodible steel balls (S.S. Balls) Pack of 100 pcs.	: 01 No
Standard Adjacent Fabrics (10x4 cms.) Pack of 100 pcs.	: 05 Nos
Measuring Plastic Beaker (500 ml)	: 01 No
Fine Scissors – For Preparing Samples	: 01 No
Filter Unit –For talking out the SS Balls from the Beaker after testing	: 01 No
High Temp. Tubing (2 meter Each) – For Outlet & Overflow values	: 02 Nos.
S.S. Clamp – For Fixing Tubing	: 02 Nos.
Calibrated Stainless Steel Scale for marking (1 meter)	: 01 No
User's Manual	: 01 No
Calibration Certificate Traceable to NPL	: 01 No
Test Certificate	: 01 No
Warranty Certificate	: 01 No



TECHNICAL DETAILS

Inner Dimensions of the Main Bath	: 380 x 500 x 510 mm
Inner Dimensions of pre-heat bath	: 200 x 200 x 180 mm (optional)
Number of test Vessels (jars)	: 8 Nos.
Volume of each Vessel	: 550 +/- 50ml (ISO Test Methods)
Diameter of Vessel	: 75 +/- 5 mm
Speed of Rotation	: 40 +/- 2 rpm
Temperature of Main Bath	: Ambient to 90 degree c
Timer (Digital)	: 0-999 minutes
Temperature Controller degree)	: Digital & Automatic (up to 99 degree)
Temperature Accuracy	: +/-2 C (As per ISO test methods)
Motor	: 1/4 Three Phase 230 V/AC/440 V
Digital Thermometer	: Ambient to 400°C degree c.
Inching Switch	: For loading & unloading the vessels..
Overall Dimensions of the Main Unit	: 600 (W) x 500 (D) x 700 (H)
Net Weight of the Unit	: 65 kg

RELATED STANDARDS
BS EN ISO 105 C01 to C06
BS 1006:1990
AATCC