

DAVENPORT™

FRICITION TESTER

Co-efficient of Friction Measurement

Description

The Davenport Friction Tester accurately measures the co-efficient of friction of plastic films and paper. The equipment provides measurement of the kinetic co-efficient of friction plus a peak hold facility, complete with digital display, to capture the static friction transient force. A 500g weight is supplied for a mid-point check on the calibration. The test sample is held on a horizontal bed which incorporates an optional vacuum for securing large samples of plastic film. A further sample of the same material is attached to a sled which exerts a known force, and is placed in direct contact with the test sample. Two sleds and cutting templates are included for the BS and ASTM standards. The sled is pulled across the horizontal bed either at a pre-set and constant speed as designated by the standard or a user selectable speed up to 1180mm/min. The simplicity of this system has made it very popular for QC/QA checks on the production line. Proven use by unskilled personnel in the film, paper, packaging, inks and coatings manufacturing

Features

- Simple set-up, operation and maintenance
- Complies with ASTM and BS Standards
- Static and Kinetic co-efficients of friction
- Set speeds for compliance with standards
- Variable speed up to 1180mm/min
- Chart Recorder option for permanent results
- Heavy Duty, hard-wearing design



Specifications

Speeds:	150 mm/min and 800 mm/min in compliance with the ASTM and BS standards Variable speed up to 1180 mm/min
Supply Voltage:	115/230V ac \pm 10% 50 - 60 Hz
Power Requirements:	100W Maximum
Standards:	British Standard BS 2782: Part 8: Method 824A ASTM D 1894
Data Outputs	Analogue
Maximum Friction:	1.0 (ASTM) or 1.4 (BS)
Net Weight:	21 Kg
Packed Weight:	59 Kg
Operating Temp:	5°C to 35°C (40°F to 95°F)
Warranty:	1 year

SPECIFICATION
SS-RH-7401
April 2001

INTERNET

www.ametek.com
www.chatillon.com
www.lloyd-instruments.co.uk

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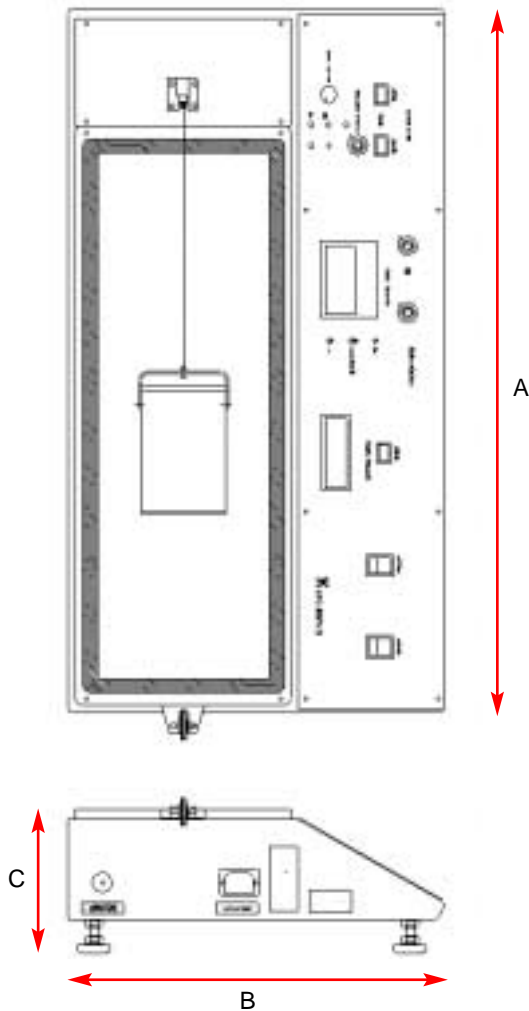
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Ordering Information

Model	Part No.	Description
FT/115	742/A/	115V Friction Tester
FT/230	742/A	230V Friction Tester

Product Dimensions



	mm	in
A	900	35
B	460	18
C	200	8

Standard Accessories

Item	Model	Part No.
Sled Cord and Hook	FT/CORD	442/1/3
Cutting Template for ASTM Tests	FT/CUT ASTM	442/72
Cutting Template for BS Tests	FT/CUT BS	442/72
Cutting Knife with Blades	FT/KNIFE	468/25
1 Kg Loadcell Beam	FT/LOADCELL	999/0304
For Measuring Kinetic (Dynamic) Friction: Analogue Meter	FT/METER	999/0515
Rubber Pad to fit ASTM sleds	FT/PAD ASTM	442/71/3
Rubber Pad to fit BS sleds	FT/PAD BS	442/11/3
Sled Assembly for ASTM tests	FT/SLED ASTM	442/71
Sled Assembly for BS tests	FT/SLED BS	442/11
Vacuum Pump	FT/VP	01/2747
500g Callibration Weight	FT/WEIGHT	442/211

AMETEK®

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