

M282

UWT

Universal Wear Tester

Determines the wear and abrasion resistance of fabrics used in clothing, footwear and industrials. Redesigned UWT features digital controls for accurate cycle counting and timing, improved air injection system for more uniform inflation of the diaphragm used in surface abrasion testing, and a superior clamping mechanism for repeatable specimen tensioning. Tests are run in automatic mode to obtain definite results of high reproducibility and to lessen the need for operator evaluation of test results. The digital counter either counts the number of cycles to specimen rupture or can be preset for automatic shutoff without specimen failure. The user can select the timer mode for accurate countdown of test time while simultaneously counting the number of abrasion cycles. Supplied with surface abrasion head, inflated diaphragm method and flex abrasion head, tension and head weights and initial supply of abrasives. Fitted with built-in timer and mechanical cycle counter repeatable and reproducible testing is ensured by consistent motor speed providing 120 double strokes per minute of 25mm (1in) stroke length. Accessories are available for conducting frosting, pilling and edge abrasion tests. Pilling tests utilize a special elastomeric pad attached to the specimen holder of the optional Frosting Attachment. The specimen is rubbed with a second elastomeric pad mounted on the upper head as the abrasant. Edge and fold abrasion tests expose the seam edge or fold of the specimen to the abrasant by mounting the specimen in the optional Edge and Fold Abrasion Clamp.

Specifications	M282
Weight	102 kg
Dimensions	330 x 500 x 460 mm (WxDxH)
Tank Dimensions	AATCC 119/120, ASTM D3514/D3885/D3886, FORD EFB15J2/BN112-01, FTM S 191/5300/5302



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