



HUMBOLDT

TX Pro – Texas Overlay Tester

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ASTM WK26816, Tex-248-F

In recent years many mixture design methods have produced materials that are stiffer, leaner and more resistant to rutting, however, such materials are often more susceptible to fatigue and reflection cracking. The Texas Overlay Tester was designed to simulate the expansion and contraction movements that occur in the vicinity of joints or cracks and which result in reflection cracking in overlays. With the Cox/Cooper Texas Overlay Tester it is possible to characterize both the crack initiation and crack propagation properties of asphalt mixtures. Cox/Cooper have developed the Texas Overlay Tester, which is a dedicated, state-of-the-art piece of equipment for carrying out this test. Automatically calculates critical fracture energy and crack resistance index according to Tex-248-F.



HA-5600A.4F

Features:

- Super rigid frame, necessary for true results
- Outputs ASTM and Texas methods
- Integral surface-mounted, touch-screen control
- Fitted with electromechanical actuator
- Ergonomically designed for easy operation
- Data downloading via USB and up to 10,000 cycles per test
- 1GB onboard memory

Overlay Tester, 240V 50/60Hz

HA-5600A.4F



INSTALLATION

Installation Verification and on-site Training are available for the Overlay Testers please inquire.

Specifications

Maximum force	2800lbf (14kN)
Load transducer	5000lbs (25kN)
Maximum displacement	4" (10.2mm)
Temperature range	32 to 104°F (0 to 40°C)
Electrical supply	220V 50/60Hz, 16 amps
Frame dimensions (WxDxH)	44680" x 26.8" x 42.5" (1119 x 680 x 1080mm)
Working space (WxDxH)	51" x 39" x 43" (1300 x 1000 x 1100mm)
Desktop PC	Not required

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ACCESSORIES

Accessories are not included and should be ordered separately.

Accessories	Model
0.25" x 6.25 mm spacer bar for plate separation and alignment	HA-5600.4
ASTM 10 lb (4.5 kg) weight	HA-5600.5
Calibration Kit	HA-5600.6
Platens, 1 pair with pins for Texas Overlay	HA-5600.7
Texas Overlay Gluing Frame	HA-5600.8
TX 5 lb (2.25 kg) weight	HA-5600.9
2-part epoxy with minimum 3,000 psi	HA-5600.10



HA-5600A.4F

Testing Equipment for



Construction Materials

HUMBOLDT

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