3SAE LINEAR TENSILE TESTER (LTT)

The 3SAE Linear Tensile Tester (LTT) is an automated tension tester for optical fibers with cladding diameters ranging from 80-400 µm in diameter. The fiber clamps accommodate coatings up to 1000 µm in diameter.

The 3SAE Linear Tensile Tester incorporates easy, single button fiber loading and an automated tension test process. The built-in LCD reports an acceptable "Pass" result and maximum measured tension, in Newtons (N) or Kpsi, applied to the optical fiber during the proof test. The LTT supports destructive testing of optical fiber by pulling and displaying the maximum achieved tension.

The built-in LCD and keypad ensures stand-alone operation and provides the operator easy access to software adjustable maximum tension, tension rate and proof test hold times in 10 user selectable and customizable tension programs. These features, in combination with the compact design, allows for extreme portability and flexibility for use with optical fiber in laboratory or production environments.

The LTT includes a universal AC-12V DC power supply and requires no additional external connections, such as air, for operation or PC for configuration. An available RS-232 port provides the ability to update the firmware and supports data collection from any appropriately configured computer.

Key Features: Linear Tensile Tester (LTT)

- Motorized clamping system eliminates the need for external air supply
- Easy low-maintenance bench top design
- Built-in graphical LCD control (No PC required)
- Storage up to 10 programs

Standard Package

Part Number	Product	Includes
RCT-01-0001	3SAE Linear Tensile Tester (LTT)	Includes power supply, electronic user's manual, Manufacturer's 1-year parts and labor warranty

Accessories

Part Number	Product
ACC-01-0175	Power Supply 108W/12V/9A

Technical Specifications

Feature	Specification
Dimensions	240 (W) x 187 (D) x 142 (H) mm
Weight	5.2 kg
Power Source	Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 9 A
Fiber Cladding Diameter	80 - 400 µm
Tensile Test	Up to 40N
Resolution	0.1N
Pull Speed	200-1,000 µm/s
Hold time	0-10000 ms

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Specifications are subject to change without notice.

Made in the USA
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