3sae
Technologies, Inc.

LINEAR TENSILE TESTER

The 3SAE Linear Tensile Tester is an automated tension tester for optical fi¬bers with cladding diameters ranging from 80-400 µm in diameter. The fi¬ber 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 tension, in Newtons (N) or Kpsi, applied to the fiber during the tension test. The 3SAE Linear Tensile Tester also supports destructive testing 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 clamp pressure, 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 in laboratory or production environments.

The 3SAE Linear Tensile Tester 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:

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

Technical Specifications:

- Dimensions: 240 (W) x 187 (D) x 142 (H) mm
- Weight: 5.2 kg
- Power Source: 12 V DC, 100W
- Fiber buffers: 160-1,000 µm
- Tensile test: 40N
- Resolution: 0.1N
- Pulling speed: 200-1,000 µm/s

Retractable Safety Shield Shown Above

Product	Part Number	Qty
Linear Tensile Tester	**LDS-01-0201**	
Standard Package		
Power Supply	SPT-01-1243	1
Power Cord	FPU-02-0037	1