800 Series Advanced Universal Electromechanical Materials Testing Machines

Features:

- Position Measurement Accuracy ± 0.02mm
- 30,000 data sampling
- 100 Hz selectable data capture
- Automatic recognition and calibration
- Digitize technology

Description:

800 Series universal testing machines are capable of tensile and compression testing modes within a single frame. In addition, select frames are capable of reverse stress testing.

Test types may include tensile, compression, shear, flexure, peel, tear, cyclic and bend tests.

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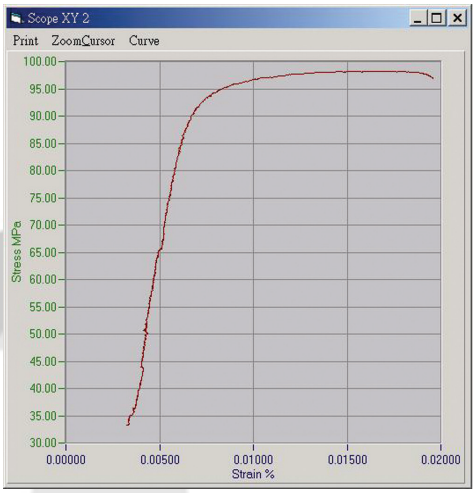
Specification:

- Control Electronics and User Interface

- With 100 Hz data collection and control rates, AII's 880 electronics feature unparalleled accuracy and advanced real-time control. These electronics can control the frame using any combination of load, strain, or speed rates - often a requirement for today's testing standards. Automatic recognition and calibration of transducers ensure safe and proper testing

- Controller
  - The controller includes these high performance features
    - 30,000 data sampling
    - 100 Hz selectable data capture
    - Digitize technology
    - 24-bit resolution, converting time 17 usec
    - Force measurement accuracy of ± 0.4% of reading down to 1/100 of load cell capacity and ± 0.5% down to 1/250 of load cell capacity
    - Intelligent data logging responds automatically to changes in material properties during the test
    - Dedicated electronics provide advanced real-time control, error detection, and limit checking independent of the PC
    - Automatic recognition and calibration of load cells and strain transducers
    - Designed to work with Greendale materials testing software



- Position Measurement Accuracy: ± 0.02mm or 0.05% of displacement

- Crosshead Speed Accuracy (Zero or constant load): ± 0.1% of set speed

- Load Measurement Accuracy: ± 0.4% of reading down to 1/100 of load cell capacity, ± 0.5% of reading down to 1/250 of load cell capacity

- Strain Measurement Accuracy: ± 0.5% of reading down to 1/50 of full range with extensometer