



HSU-1000 High Speed Unwind

The ChemInstruments HSU-1000 High Speed Unwind Machine measures the unwind force of a roll of tape.

The High Speed Unwind Machine meets the standards specified in ASTM D 1000 and AFERA 4008 for unwind force at a fast rate of removal and will also test unwind force of pressure sensitive tapes according to Test Methods PSTC-8 and PSTC-13.

- Designed to accept rolls up to 3" (7.5 cm) wide x 12" (30 cm) O. D. on standard 3" (7.5 cm) cores.
- Digital feedback loop ensures a constant speed regardless of wind-up roll diameter and tension.
- User selectable speed range from 10 feet per minute to 400 feet per minute (3 mpm to 122 mpm).
- Counter included to record feet or meters.
- 25 lb load cell standard
- Accurate to $\pm .1\%$ of load cell range.
- Operating temperature 0 to 70 Celsius
- **Warning! Equipment needs to be completely free of condensation inside and out, before applying power!**

Data Acquisition System

The ChemInstruments EZ-100 Data Acquisition System is a state-of-the-art force measurement package that combines accuracy with ease of use. This system reads the force of a test, digitally displays it and also stores that value in its memory.

- Displays the measured force in Average, High and Low values and unwind distance.
- Stores data from up to 20 individual tests, which allows the technician to review previously recorded values.
- Data can be exported by RS-232 connection to a local PC.
- Display values are selectable in grams, kilograms, ounces, pounds or Newtons.
- Records 400 data points per second of sampling.

EZ-Lab Compatible

Remote operation control and enhanced data collection are possible when coupled with the EZ-Lab System. Requires external PC. See EZ-Lab System product sheet.

Dimensions (approx.)

Height:	15" (38 cm)
Width:	25" (63.5 cm)
Depth:	18" (45.7 cm)
Weight:	59 lbs. (26.8 Kg)

Options

- 240 VAC/50 Hz
- Custom core chuck diameters
- EZ-Lab System Software