

## Chatillon TCD225 Series Specifications

### Load Capacity

- 225 lbf
- 100 kgf
- 1 kN

### Configurable Speed Range

- 0.001 to 50.0 inch/minute
- 0.01 to 1270 mm/minute
- Independent Return Speed
- Independent Multi-Stage Speeds

### Load Measurement System

- TLC Series Load Sensors
- Auto-Recognition, "Plug & Test"
- Sensor Overload History Log

### Load Measurement System

- Accuracy better than 0.1% Full Scale
- Calibrate On-site to Better than 0.25% Reading
- Measuring system meets or exceeds the following:  
ASTM E4, BS 1610, DIN 51221, ISO 7500-1, EN 10002-2  
AFNOR A03-501 (*AMETEK recommends system verification on-site at the time of installation by an authorized Chatillon Representative, as required by ASTM E4 and ISO 7500-1*)

### Strain Measurement System

- Position accuracy better than 0.001 in (0.02mm) or 0.05% displacement (whichever is greater)
- Strain measurement system meets or exceeds the following:  
ASTM E83, BS 3846, ISO 9513, EN 10002-4
- Deflection Compensation Standard

### Speed Accuracy

- Better than 1% Full Scale

### Distance Accuracy

- Better than 0.25% of reading unloaded

### Crosshead Travel

- 20-inch (500mm)

### Display Language Options

- English
- Chinese (Simplified)
- Chinese (Traditional)
- French
- German
- Korean
- Portuguese
- Russian
- Spanish
- Turkish

### Data Sampling

- 1000Hz
- User Selectable Sampling/Filters (1-1000 Hz)

### Data Output

- USB Serial Data Output  
Save Data Directly to USB Flash Drive  
Interface to USB Serial Devices, e.g. Barcode Scanner/Reader, Printers, Keyboards, Hubs
- Export Data to Excel or any OLE2 Compatible Platform
- Save Test Results Locally in Console Memory
- Auxiliary RS232 Serial Data Output

### Test Setups

- Load Limit
- Distance Limit
- Time Limit
- Break or Rupture
- Cycle or Loop
- Multi-Stage (Define a custom test with multiple stages)

### Operating Temperature

- 40°F to 110°F (5°C to 45°C)

### Storage Temperature

- 0° to 130°F (-17° to 54°C)

### Relative Humidity

- 20% to 85%

### Conformance

- The system conforms to all relevant European standards and carries the CE mark.

### Single Phase Voltage

- 100, 120, 220 or 240Vac  $\pm$ 10%, 47 to 63Hz. Power must be free of spikes, surges, and sags exceeding 10% of the average voltage.

### Weight

- 72 lbs (33 kg)

### Shipping Weight

- 90 lbs (41 kg)

### Warranty

- 1 year

**More info:** <http://www.dmm.ca/chatillon-tcd225-digital-force-tester.htm>

*These specifications were developed in accordance with AMETEK's standard procedures and are subject to change without notice.*

