

TCD200 Series Digital Force Tester (225 lbf, 1000 N)

Specification Sheet
SS-FM-3127-0904
September 2004

The TCD200 Series digital test stand features bi-directional RS232C communications that support data exchange and remote control using a personal computer. Force and deflection data may be transmitted or requested and used with our NEXYGEN FM Series software for comprehensive force measurement and material testing analysis. The TCD200 features a ball screw drive with dual column alignment for precise linear motion. Dynamic braking provides positive control of the motor. Programming of test speed, high and low deflection setpoints and cycling are performed using the membrane-style keypad. "MIN" and "MAX" speed functions are also provided for easy setup. Two LCD displays indicate speed and deflection values along with status indicators of the programmed functions and units of measurement (inches or millimeters).

Features

- Easy to Use, Rugged Construction
- Membrane Multi-function Keypad for Simple Operation
- Serial Data Communications
- Precision Ball Screw Drive Mechanism
- Programmable Cycling Up to 1000 Cycles
- Limit Cycling on Force and Deflection
- Dynamic Braking
- Emergency Stop Button
- Adjustable High and Low Limits
- Maintenance-free Design
- 1 Year Warranty

Specifications

Capacity:	225 lbf (1000 N) <i>Note: Higher speed testers derated to 112 lbf (500 N)</i>
Crosshead Speed:	Model Dependent
Speed Accuracy:	±5% Full Scale
Travel:	Approximately 18-inches (457 mm)
Load Measuring:	Chatillon Force Gauge
Outputs:	RS232C Serial Data Communications
Supply Voltage:	115Vdc or 220Vdc
Operating Temp:	40 to 95F (5 to 35C)
Weight:	Approx. 22 lbs (10 kg)
Warranty:	1 year



TCD200 with DFS Series digital force gauge



You Get More with Your CHATILLON Gauge.



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Ordering

Model	Speed	Capacity	Power
TCD200	0.5 to 12.5 inch/min 12.5 to 312.5 mm/min	200 lbf (1 kN)	115V
TCD200-SS	0.02 to 0.5 inch/min 0.5 to 12.7 mm/min	200 lbf (1 kN)	115V
TCD200-MS	0.1 to 2.5 inch/min 2.5 to 62.5 mm/min	200 lbf (1 kN)	115V
TCD200-MH	1.0 to 25.0 inch/min 25.0 to 62.5 mm/min	200 lbf (1 kN)	115V
TCD200-HS	2.0 to 50.0 inch/min 50.0 to 1250.0 mm/min	100 lbf (500 N)	115V

Note: Please add suffix "-220V" after model number when the instrument is required to operate using 220V power.

Example:TCD200-220V

Standard Accessories

Order No.	Description
SPK-FM200-015	DF Gauge Adapter
SPK-FM200-018	DFT Gauge Adapter
SPK-FM200-019	DFGS Gauge Adapter

Optional Accessories

Order No.	Description
SPK-DG-TCM-TCD	DG Series Gauge Adapter
NC000985	DFM Gauge Adapter
NC000300	DFGS-R, DFA-R, DF-R Gauge Adapter
ENC0125	Gauge Interface Cable, 9-Pin
ENC0157	Mitutoyo 10 Pin Cable
NC000477	Personal Computer Interface Cable
40/0738	Nexygen FM Software (Use with Chatillon Gauge)

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TEST AND CALIBRATION INSTRUMENTS

For the authorized Chatillon Distributor or Manufacturer's Representative near you, go to www.chatillon.com

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Manufacturer