

TCD200 SERIES

Digital Test Stand with Serial Communications

The CHATILLON® TCD200 Series of motorized test stands offer customers an easy-to-operate motorized testing system with bi-directional RS232 serial data communications. An integral membrane-style keypad is used for motor and speed control and permits the user to specify the speed range, cycling and high/low deflection setpoints. Stands feature an all-metal construction with ball screw and dual support columns for positive motor control and minimal deflection. Manually adjustable limits stop crosshead travel at precise user specified locations. Dedicated function keys provide fast motion control adjustment (up, down, stop). Units operate in four modes: single cycle at upper limit, single cycle at lower limit, continuous cycling between limits, and manual. Two LCD displays indicate speed, cycling and deflection and are used to configure test stand operating parameters.

FEATURES

- Easy to Use, Rugged Construction
- Membrane Keypad for Stand Control
- Precision Ball Screw Drive Mechanism
- Four Mode Cycling
- Dynamic Motor Braking
- RS232 Communications (300 to 19.2k)
- Capacities Up to 200 lbs (100 kg, 1 kN)
- Adjustable High and Low Limits
- Maintenance-free Design

SPECIFICATIONS

Capacity:	200 lbs (100 kg, 1 kN)
Stroke:	18-inch (457 mm) Maximum
Vertical Clearance:	16-inch (406 mm) Minimum with Force Gauge
Travel Speed:	Selectable (in/min, mm/min)
Limits:	Adjustable High and Low
Power:	110V/230V
Weight:	42 lbs (20 kg)
Warranty:	1 Years



TCD200 shown with DFGS digital force gauge



SPECIFICATION
SS-FM-3134-0301
March 2001



Packaging



Electronics



Food & Beverage

INTERNET

www.force-gauge.net

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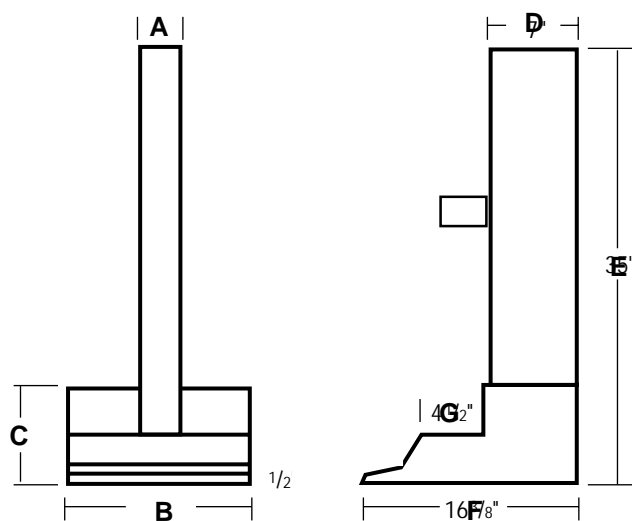
ORDERING INFORMATION

Model	Speed	Speed Rate
TCD200	Standard	0.5 to 12.5 in/min 12.7 to 317.5 mm/min
TCD200-SS	Slow Speed	0.02 to 0.5 in/min 0.5 to 12.7 mm/min
TCD200-MS	Medium	0.1 to 2.5 in/min 2.54 to 63.5 mm/min
TCD200-MH	Medium Hlgh	1.0 to 25.4 in/min 25.4 to 635.0 mm/min
TCD200-HS ¹	High Speed	2.0 to 50.0 in/min 50.8 to 1270.0 mm/min

Please add suffix "-220V" to the model number when source power supply is 220V, e.g TCD200-SS-220V.

Note: ¹ The capacity for the TCD200-HS models is 100 lbs (50 kg, 500 N).

DIMENSIONS



	in	mm
A	3.0	76.2
B	14.0	355.6
C	7.75	196.9
D	7.0	177.8
E	35.0	889.0
F	16.4	416.6
G	4.5	114.3

ACCESSORIES

	Part No.
Adapter Kit for Remote Series Loadcells	NC000300
Gauge Interface Cable	NC000647
Printer Cable (TCD to Serial Printer)	NC000855
PC Interface Cable	NC000875

A wide selection of grips, platens and fixtures are available for use with this test stand. Please contact your CHATILLON® representative.

AMETEK
TEST AND CALIBRATION INSTRUMENTS