



Visit Us on the Web at www.chatillon.com

TCM201 Series Motorized Force Tester (225 lbf, 1000 N)

Specification Sheet
SS-FM-3117-0904
September 2004

The TCM201 Series of motorized test stands offer customers an easy-to-operate motorized testing system that is precise enough for the laboratory and rugged enough for the production floor. 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. Rotary dials are easy to operate and allow the user to specify speed requirements and test mode. 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. A selector switch is provided for specifying

Features

- Easy to Use, Rugged Construction
- Twin Rotary Dials and 3-Button Keypad for Simple Operation
- Precision Ball Screw Drive Mechanism
- Four Mode Cycling
- Emergency Stop Button
- Adjustable High and Low Limits
- Maintenance-free Design
- 2 Year Warranty

Specifications

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



TCM201 with DFE Series digital force gauge



You Get More with Your CHATILLON Gauge.



A registered trademark of AMETEK Inc.

Ordering

Model	Speed	Capacity	Power
TCM201	0.5 to 12.5 inch/min	200 lbf (1 kN)	115V
TCM201-M	12.5 to 312.5 mm/min	200 lbf (1 kN)	115V
TCM201-220V	12.5 to 312.5 mm/min	200 lbf (1 kN)	220V
TCM201-SS	0.02 to 0.5 inch/min	200 lbf (1 kN)	115V
TCM201-SS-M	0.50 to 12.5 mm/min	200 lbf (1 kN)	115V
TCM201-SS-220V	0.50 to 12.5 mm/min	200 lbf (1 kN)	220V
TCM201-MS	0.1 to 2.5 inch/min	200 lbf (1 kN)	115V
TCM201-MS-M	2.5 to 62.5 mm/min	200 lbf (1 kN)	115V
TCM201-MS-220V	2.5 to 62.5 mm/min	200 lbf (1 kN)	220V
TCM201-MH	1.0 to 25.0 inch/min	200 lbf (1 kN)	115V
TCM201-MH-M	25.0 to 625.0 mm/min	200 lbf (1 kN)	115V
TCM201-MH-220V	25.0 to 625.0 mm/in	200 lbf (1 kN)	220V
TCM201-HS	2.0 to 50.0 inch/min	100 lbf (500 N)	115V
TCM201-HS-M	50.0 to 1250.0 mm/min	100 lbf (500 N)	115V
TCM201-HS-220V	50.0 to 1250.0 mm/min	100 lbf (500 N)	220V

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

Example:TCM201-220V

Standard Accessories

Order No.	Description
SPK-FM200-015	DFE 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
40/0739	Nexygen Gauge Software (Use with Chatillon Gauge)

AMETEK

TEST AND CALIBRATION INSTRUMENTS

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

Americas

AMETEK TCI Division
8600 Somerset Drive
Largo, Florida 33773
United States of America
Tel +1-727-536-7831
Tel +1-800-527-9999
Fax +1-727-539-6882
Email chatillon.fl-lar@ametek.com

France

AMETEK Lloyd Instruments SAS
3 avenue des Coudriers
Zone d'Activite de l'Observatoire
78180 Montigny-Le-Bretonneux
France
Tel +33-1-3057-4774
Fax +33-1-3057-5033
Email general@lloyd-instruments.com

Germany

AMETEK Precision Instruments
Europe GmbH
Rudolf-Diesel-Strasse 16
D-40670 Meerbusch
Germany
Tel +49-0-2159-9136-70
Fax +49-0-2159-9136-80
Email apie@ametek.dr

Singapore

AMETEK Singapore Pvt. Ltd.
10 Ang Mo Kio Street 65
#05-12 Techpoint
Singapore 569059
Tel +65-484-2388
Fax +65-481-6588
Email aspl@ametek.com.sg

United Kingdom

AMETEK Lloyd Instruments Ltd.
Forum House, 12 Barnes Wallis Rd
Segensworth East
Fareham
Hampshire PO15 5TT
United Kingdom
Tel +44-0-1489-574221
Fax +44-0-1489-885118
Email uk-far.general@ametek.co.uk

Visit Us on the Worldwide Web at:
www.chatillon.com

© 2004 by AMETEK, Inc.

Information within this document is subject to change without notice.



ISO 9001/2000
ISO/IEC 17025
Manufacturer