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

Specification Sheet
SS-FM-3117-0904
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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 return speed after testing.

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:** ±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.



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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/min | 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

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