Digital Torque Testers Series TT05

Data Sheet

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Features

- Stainless steel loading plate with threaded holes accommodates fixtures and attachments
- USB, RS-232, Mitutoyo, and analog outputs
- Automatic output, data storage, and zeroing upon sample break helps automate testing processes
- First / second peak detection for torque tool testing, bottle cap testing, and other applications

Series TT05 universal torque testers can be used for a range of applications up to 100 lbFin [11.5 Nm]. The stainless steel loading surface features a matrix of threaded holes, ideal for accommodating specialized fixtures and attachments. The testers' rugged design and simple, intuitive operation allow for use in laboratory and production environments.

Accuracy of $\pm 0.3\%$ and blazingly fast sampling rate of 7,000 Hz ensure reliable and consistent test results, even in quick-action applications. Password protection is provided to prevent unauthorized changes to settings and calibration.

The TT05 includes a range of sophisticated productivity-enhancing features, including USB, RS-232, Mitutoyo, and analog outputs, automatic data output and zeroing upon sample break, memory storage for 1,000 readings, pass/fail indicators and outputs,

and more. First / second peak torque detection is useful for torque tool testing, tamper evident closure testing, and other applications.

Series TT05 testers include MESUR[™] Lite data acquisition software. MESUR[™] Lite tabulates continuous or single point data. Data stored in the TT05's memory can also be downloaded in bulk. One-click export to Excel allows for further data manipulation.



MESUR[™] Lite data acquisition software is included with Series TT05 testers

- 1,000-point data memory with statistics and outputs
- Password protection prevents unauthorized changes
- High-speed 7,000 Hz sampling rate accurately captures peak torque values
- Programmable set point indicators and outputs for pass/fail determination
- MESUR[™] Lite data collection software included





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Specifications subject to change without prior notice

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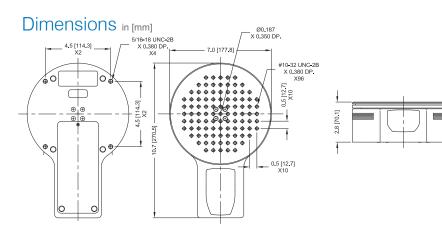
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Optional Items



CT002 Carrying case Provides storage space for the TT05 tester, gripping jaws, AC adapter, and accessories.



Specifications

Accuracy:	$\pm 0.3\%$ of full scale				
Sampling Rate:	7,000 Hz				
Power:	AC or rechargeable battery. Multi-step low battery indicator is displayed, tester shuts off automatically when power is too low.				
Battery life:	Backlight on: up to 7 hours of continuous use Backlight off: up to 24 hours of continuous use				
Units:	ozFin, IbFin, kgFcm, Nm, Ncm				
Outputs:	USB / RS-232: Configurable up to 115,200 baud. Mitutoyo: Serial BCD suitable for all Mitutoyo SPC-compatible devices. Analog: ±1 VDC, ±0.25% of full scale at capacity. General purpose: Three open drain outputs, one input. Set points: Three open drain lines.				
Safe overload:	150% of full scale (display shows "OVER" at 110% and above)				
Weight:	10.9 lb [4.9 kg]				
Included items:	Universal voltage AC adapter, battery, quick-start guide, USB cable, resource CD (USB driver, MESUR™ Lite software, MESUR™gauge DEM0 software, and user's guide), and NIST-traceable certificate of calibration (certificate with data is available for an additional charge).				
Environmental requirements:	40 - 100°F, max. 96% humidity, non-condensating				
Warranty:	3 years (see individual statement for further details)				

Capacity x Resolution

Model No.	lbFin	ozFin	kgFcm	Ncm	Nm
MTT05-12	12 x 0.005	192 x 0.1	14 x 0.01	135 x 0.1	1.35 x 0.001
MTT05-25	25 x 0.01	400 x 0.2	28 x 0.02	290 x 0.2	2.9 x 0.002
MTT05-50	50 x 0.02	800 x 0.5	58 x 0.05	570 x 0.5	5.7 x 0.005
MTT05-100	100 x 0.05	1600 x 1	116 x 0.1	1150 x 0.5	11.5 x 0.005

All models include 110V AC adapters. Add suffix 'E' for euro plug (220V), 'U' for UK plug (220V), or 'A' for Australian plug (220V).

Ex: MTT05-12E, MTT05-25U, MTT05-50A



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