

WINDING TECHNOLOGY

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Automatic Winding Turns Tester



DMT-108

“Easy & instant readout of the number of winding turns”

Solutions for

- Reducing costs by the early detection of defective products
- Input data error in a winding machine (Human error)
- Shortage of skilled workers for inspecting
- Urgent analysis of unknown coils



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Brief introduction

This Automatic Winding Turns Tester is designed to count the number of turns in a coil such as a winding of electric motor and generator, winding of transformer, coil of inductor and relay, high and low voltage coil for TV set, ignition coil for automobile, and so forth.

This tester has the advantage of high accuracy and efficiency, limited influence due to the form and size of the coil to be detected, and fast & easy operation thanks to the precision sensor and microprocessor that adopt the patent know-how developed by the manufacture.

The tester, when in operation, does not need any further adjustment and calibration. Just by connecting the clip leads to the terminal lugs of the coil under test, then the tester instantly shows the exact number of the turns on the digital display. You never need a standard coil to test against. In this way, this tester greatly upgrades the inspection and analysing efficiency.

The photo shows the range of new probe platforms (largest available 850mm high). When measuring large coils the platform can be inserted in the horizontal position.



Different platform sizes to suit a large range of coils

Different coil platforms can be used on one test unit (excludes the 2x110 platform which is has its own dedicated test unit)

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Specifications

DMT- 108					
Probe Platform	2 x 110 mm	6 x 150 mm	10 x 250 mm	10 x 350 mm	10 x 550
Coil Size	Inside diameter: >2mm Height: < 110mm	Inside diameter: >6mm Height: < 150mm	Inside diameter: >10mm Height: < 250mm	Inside diameter: >10mm Height: < 350mm	Inside diameter: >10mm Height: < 550mm
Range of turns in coil	0 ~ approx. 5,000 turns		0 ~ approx. 60,000 turns		
Accuracy of measurement	0 ~ 300 turns (0 turns) 300 ~ 500 turns (plus minus 1 turn) 500 ~ 40,000 turns (plus minus 0.2 %)				
Detecting speed	0.6 seconds				
Dimension	Test Unit - 345 mm (L) X 335 mm (W) X 125 mm (H)				
Weight	Test Unit - 6.0 Kg Probe Platform - 2.2Kg				
Warranty	1 year				
Custom probe platforms available on request					

- Power source: AC24V, 50Hz/60Hz (Step-down transformer 230V ~24V is included)
- Operation ambience: Temperature 40 F ~ 105 F (+5 C ~ 40C)
Relative humidity: less than 85 %
- Custom model for special coils is available upon request. (Up to H. 850-mm probe)
- Comply with IEC standard
- CE marking
- UL (Under application)
- The prices and specifications may be changed without notice.
- OEM is welcome at reasonable price.