Automatic Winding Turns Tester

“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
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)
Specifications

<table>
<thead>
<tr>
<th>Probe Platform</th>
<th>2 x 110 mm</th>
<th>6 x 150 mm</th>
<th>10 x 250 mm</th>
<th>10 x 350 mm</th>
<th>10 x 550</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coil Size</td>
<td>Inside diameter: &gt;2mm Height: &lt; 110mm</td>
<td>Inside diameter: &gt;6mm Height: &lt; 150mm</td>
<td>Inside diameter: &gt;10mm Height: &lt; 250mm</td>
<td>Inside diameter: &gt;10mm Height: &lt; 350mm</td>
<td>Inside diameter: &gt;10mm Height: &lt; 550mm</td>
</tr>
<tr>
<td>Range of turns in coil</td>
<td>0 ~ approx. 5,000 turns</td>
<td>0 ~ approx. 10,000 turns</td>
<td>0 ~ approx. 20,000 turns</td>
<td>0 ~ approx. 40,000 turns</td>
<td>0 ~ approx. 80,000 turns</td>
</tr>
<tr>
<td>Accuracy of measurement</td>
<td>0 ~ 500 turns (3 turns)</td>
<td>500 ~ 1,000 turns (plus or minus 1 turn)</td>
<td>1,000 ~ 2,500 turns (plus or minus 0.2 %)</td>
<td>2,500 ~ 5,000 turns (plus or minus 0.2 %)</td>
<td>5,000 ~ 10,000 turns (plus or minus 0.2 %)</td>
</tr>
<tr>
<td>Detection speed</td>
<td>0.6 seconds</td>
<td>0.6 seconds</td>
<td>0.6 seconds</td>
<td>0.6 seconds</td>
<td>0.6 seconds</td>
</tr>
<tr>
<td>Dimension</td>
<td>Test Unit - 345 mm (L) X 335 mm (W) X 125 mm (H)</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Weight</td>
<td>Test Unit - 6.0 Kg</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Warranty</td>
<td>1 year</td>
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</table>

- 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.