Digital Megger for HVACR

The SMG5 can be used to “ohm out” a compressor. The backlight helps in the dark, the slim shape helps in cramped areas, and the long probe tip can reach the windings terminal easily.

<table>
<thead>
<tr>
<th>Function</th>
<th>Ranges</th>
<th>Best Accuracy/Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ohms</td>
<td>20 MΩ</td>
<td>2%±2 / 10KΩ</td>
</tr>
<tr>
<td>Ohms</td>
<td>2000 MΩ</td>
<td>4%±2 / 1MΩ</td>
</tr>
</tbody>
</table>

Battery: 4 pcs 1.5V (AAA size)
Battery Life: 4 hours (continuity) Typical Alkaline.

Preventative Maintenance
- 1000 volts DC are supplied by the SMG5 to test the high resistances of compressor insulation. Moisture and other contaminants deteriorate the insulation and can lead to compressor failure.
- Use Megohmmeter measurements on the same equipment over time. Decreasing insulation resistance levels can forecast future catastrophic failure.

Digital Megger
Model SMG5

Test Tools HVACR Pros Trust

Megohmmeter
Model SMG5

SMG5
Megohmmeter

One Handed Testing
Use the long probe tip for hard to reach terminals and the short tip probe for better control. Use the test probes and alligator leads to evaluate hard to reach compressor terminals.

Evaluate Compressor Insulation
With wires removed, measure the resistance of insulation between the windings and ground. Compressors tend to fail as their insulation begins to fail. Use manufacturer’s suggested values to anticipate compressor failure.

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Test Compressor Insulation

SMG5
- Helps predict compressor failure over time.
- 1000VDC voltage source.
- Backlit LCD.
- Measures up to 2000 MΩ.