Digital Earth Tester

**EY200**

- Capable to measure by 3-pole or 2-pole method
- Easy to measure with one touch button and dedicated test lead
- Small and lightweight
- Dust and drip proof (designed to IEC60529 IP54)

**Standard Accessories below are provided with EY200!**

- Earth Spikes
- 3-pole Test Lead
- Soft Case
- 2-pole Test Lead Set

Yokogawa Meters & Instruments Corporation
**Specifications**

- **Name**: Digital Earth Tester
- **Model**: EY200

**Model Code**

**Digital Earth Tester EY200**

**EY200 General Specifications**

- **Display**: LCD Digital Display; 1999-count digital reading
- **Measuring Range**
  - Earth Resistance: 2000Ω (LSD: 0.01 to 1Ω)
  - Earth Voltage: 200V
- **Accuracy**
  - Earth Resistance: ±2%rdg±0.1Ω
  - Earth Voltage: ±1%rdg±4dgt
- **Measuring Frequency**: Approx. 820Hz
- **Measuring Current**: Approx. 3mA (at 20Ω range)
- **Battery Life**: Approx. 4.5 hours (at 5 second measuring 3300 times)
- **Operating Temp. and Humidity**: 0~40˚C, 85%Rh or less
- **Dimensions**: Approx. 105 × 158 × 70mm
- **Weight**: Approx. 550g
- **Standard Accessories**
  - 3-pole Test Lead (Model 98074),
  - Earth Spikes (for EY200) (Model 98070),
  - 2-pole Test Lead Set (Model 98075),
  - Soft Case (Model 93041),
  - Shoulder Belt (for EY200) (Model 99018),
  - Six AA (R6) dry cells,
  - User’s manual

**External Dimensions**

<table>
<thead>
<tr>
<th>Part</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
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<tbody>
<tr>
<td>98074</td>
<td>158</td>
<td>102</td>
<td>70</td>
</tr>
<tr>
<td>98074 (three-pieces/set)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>98070</td>
<td>158</td>
<td>102</td>
<td>70</td>
</tr>
<tr>
<td>98075</td>
<td>1570</td>
<td>93.75</td>
<td>55</td>
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![Diagram of Earth Resistance Measurement](image)

**3-pole earth resistance measurement** *(precise measurement)*

Connect the earth/ground electrode (E) and auxiliary spikes (P, C) to the main body using the accessory test lead. Put apart 5 to 10 m between E and P, and P and C, respectively. E, P, and C should be approximately in a line.

**2-pole earth resistance measurement** *(simplified measurement)*

A simplified 2-pole measuring method can be used if there is an almost perfectly earth/ground object such as a lead or iron water-pipe (plastic pipes cannot be used) or if there is an object with a known value of earth resistance, near the measurement site.

**Other Earth Testers**

- Model 3235 Earth Tester

Related Diagrams and Images:

- Diagram showing the placement of test leads and auxiliary spikes for 3-pole measurement.
- Diagram showing the placement of a simplified 2-pole measurement with a power supply transformer.
- Diagrams of the 98074 and 98075 test leads.

**World Wide Web site**

http://www.yokogawa.com/ymi

**Notice**

Before using the product, read the instruction manual carefully to ensure proper and safe operation.

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