Improve your inspection and regular maintenance efficiency with MY600!

MY600 Digital Insulation Tester has enhanced operation compared to the conventional model by using a shortened measurement time and color indicating judging function. This is a new concept in insulation testers with a communication function to enhance the affinity with a PC or tablet.

**Major Features**

**Two colors for judging measurement results**

Set a desired reference value with the comparator function, and it will judge PASS (Green) or FAIL (Red) of a measurement result.

**Insulation deterioration diagnosis (PI and DAR measurement*)**

The increase and decrease of resistance value can be measured by continuously measuring the insulation resistance for a prescribed time. The insulation deterioration of the unit under test can be diagnosed by this increase/decrease. This parameter is useful for preventive maintenance of industrial automation equipment such as Magnetic Flow Meters or electrical equipment.

*PI: Polarization Index (Resistance after 1 minute/Resistance after 10 minutes)
DAR: Dielectric Absorption Rate (Resistance after 15 seconds/Resistance after 1 minute)

**Approximately 0.5 s high-speed measurement**

Measurement time of insulation resistance is approx. 0.5 s, which contributes to reducing the operation time.

*Under the conditions specified by Yokogawa, it may take time to measure due to the influence of capacitive component of a measuring target.

**Auto lighting backlight and LED light**

MY600 has a backlight that automatically lights up in a dark place, as well as an LED light to illuminate objects.

**USB communication and memory function**

PC communication is possible with the dedicated USB communication adaptor (91030). Users can save as many as 1000 measurements to the internal memory from which data required for report generation, such as measurement data/time, measured value and range can be transmitted to a PC via communication.

**Line probe with switch is provided as a standard accessory**

Users can turn measurement on/off with the hand switch on the line probe, allowing them work more efficiently.
Main Specifications

Accuracy (tolerance): Within 1 year of shipment

<table>
<thead>
<tr>
<th>Rated measuring voltage</th>
<th>50 V</th>
<th>100 V*</th>
<th>125 V*</th>
<th>250 V</th>
<th>500 V</th>
<th>1000 V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum effective reading</td>
<td>100 MΩ</td>
<td>200 MΩ</td>
<td>250 MΩ</td>
<td>500 MΩ</td>
<td>2000 MΩ</td>
<td>4000 MΩ</td>
</tr>
<tr>
<td>First effective measurement range</td>
<td>0.100 to 10.00 MΩ</td>
<td>0.100 to 20.00 MΩ</td>
<td>0.100 to 25.00 MΩ</td>
<td>0.100 to 50.0 MΩ</td>
<td>0.100 to 500 MΩ</td>
<td>0.100 to 1000 MΩ</td>
</tr>
<tr>
<td>Accuracy</td>
<td>±2% reading ±2 digit</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Second effective measurement range</td>
<td>10.01 to 100.0 MΩ</td>
<td>20.01 to 200.0 MΩ</td>
<td>25.01 to 250.0 MΩ</td>
<td>50.1 to 500 MΩ</td>
<td>501 to 2000 MΩ</td>
<td>1001 to 4000 MΩ</td>
</tr>
<tr>
<td>Accuracy</td>
<td>±5% reading</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other ranges accuracy</td>
<td>0.050 to 0.099 MΩ: ±2% reading ±4 digit</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.000 to 0.049 MΩ: ±2% reading ±6 digit</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Switching method

Major functions

**Voltage Measurement**

- AC: 2.0 to 600 Vrms (45 to 65 Hz)
- DC: ±(2.0 to 600) V
  - Accuracy: ±1% reading ±4 digit
  - AC/DC auto detection (2 V or more)

**Low resistance Measurement**

- Range: 40.00/400.0/4000 Ω (Auto range)
- Accuracy: ±2.5% reading ±8 digit (0.20 to 4000 Ω)
  - ±8 digit (0.00 to 0.19 Ω)

**Display**

- Bar graph, 4000 digital count display

**Functions**

- Automatic discharge, Live-line alarm, Pass/Fail judgement by comparator, Buzzer warning, USB communication, Battery check, Measured values storage, Elapsed time display, PU/DAR display, Serial No. display, Data hold, Auto LED light

Measurement categories

- CAT III 600 V

Protection grade

- IP40

Standard

- JIS C 1302: 2018 compliant (Planned)
  - EN61557-1, 2, 4, 10
  - EN61326-1 ClassB, EN61326-2-2
  - EN81010-1, EN81010-031, EN81010-2-30,
  - IEC61010-2-034

General Specifications

**Test condition**

- 23±5°C, 80% RH or less (no condensation)

**Operating temperature/ humidity range**

- −10 to +50°C, 80% RH or less (no condensation)

**Storage temperature/ humidity range**

- −20 to +60°C, 75% RH or less (no condensation)

**Auto-power off**

- The tester is automatically turned off when no key operations are performed for 10 minutes.

**Battery Life**

- Approx. 1200 tries (500 V/0.5 MΩ)

**Power source**

- Four size AA batteries

**Dimensions**

- Approx. 156 (W) x 46 (H) x 97 (D) mm

**Weight**

- Approx. 490 g (with battery)

**Standard accessories (attached)**


**Accessories (sold separately)**

- 91030: USB Communication Adaptor, 99012: Probe tip (hook type), 99013: Probe tip (extended type), 99018: Shoulder strap

This is a Class II instrument based on Emission standards EN61326-1 and EN55011, and is designed for an industrial environment. Operation of this equipment in a residential area may cause radio interference, in which case users will be responsible for any interference which they cause.

91030 USB Communication Adaptor Specification

- Communication cable
- Infrared communication adaptor and Communications cable (USB) 1 set
- Cable length: 1.9 m
- Interface: USB ver. 1.1
- Supported model: MY600

Included accessories (attached)

- CD: Packing contents: Communication driver, User’s manual, Install manual

Model code and suffix

- Model code: MY600
- Model name: Digital Insulation Tester

Accessories

<table>
<thead>
<tr>
<th>Model code</th>
<th>Model name</th>
<th>Notes</th>
<th>Attached</th>
</tr>
</thead>
<tbody>
<tr>
<td>91030</td>
<td>USB</td>
<td></td>
<td>No</td>
</tr>
<tr>
<td>93045</td>
<td>Soft case</td>
<td>Main baby and accessory-housing</td>
<td>Yes</td>
</tr>
<tr>
<td>98008</td>
<td>Line probe</td>
<td>Length: 1.4 m, MY600 only</td>
<td>Yes</td>
</tr>
<tr>
<td>98009</td>
<td>Earth probe set</td>
<td>Length: 2.0 m, Earth probe and alligator clip adapters</td>
<td>Yes</td>
</tr>
<tr>
<td>99012</td>
<td>Probe tip</td>
<td>Size: 61.9 x 26 mm</td>
<td>No</td>
</tr>
<tr>
<td>99013</td>
<td>Probe tip</td>
<td>Length: 115.4 mm</td>
<td>No</td>
</tr>
<tr>
<td>99018</td>
<td>Shoulder strap</td>
<td>For hanging the main body during measurement</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Due to the nature of this product, it is possible to touch its metal parts. Therefore, there is a risk of electric shock, so the product must be used with caution.

Outline drawing

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NOTICE

- Before operating the product, read the user’s manual thoroughly for proper and safe operation.

YOKOGAWA

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