

MY10 Series of Analog Insulation Testers

MY10
SERIES



- **Analog models with single rating**
MY10-01:125V/20MΩ
MY10-02:250V/50MΩ
MY10-03:500V/100MΩ
MY10-04:500V/1000MΩ
MY10-05:1000V/2000MΩ
- **AC voltage measurement**
- **Automatic discharge**
- **A wide choice of accessories**
–Designed for shared use with the MY40

Testing Performance Specifications

Model	Rating	Effective Measuring Range	Central Scale Value	AC Voltage Measuring Range	Lower Limit of Measured Ω*	Rated Current
MY10-01	125V/20MΩ	0.01–20MΩ	0.5MΩ	0–250V	0.125MΩ	1–1.2mA
MY10-02	250V/50MΩ	0.01–50MΩ	1MΩ	0–300V	0.25MΩ	1–1.2mA
MY10-03	500V/100MΩ	0.05–100MΩ	2MΩ	0–500V	0.5MΩ	1–1.2mA
MY10-04	500V/1000MΩ	0.5–1000MΩ	20MΩ	0–500V	1MΩ	0.5–0.6mA
MY10-05	1000V/2000MΩ	1–2000MΩ	50MΩ	0–500V	2MΩ	0.5–0.6mA

* The minimum value at which the rated voltage can be maintained

Standard test conditions:

Ambient temperature/humidity ranges: 23 ±5°C/45–75% RH
Position of use: Horizontal (5° max. of angle of inclination)
Effect of geomagnetism: None
Battery voltage: Within effective voltage range
(The pointer must stay within the range indicated by the BAT symbol when the battery check is performed.)

Tolerances under the above-mentioned conditions:

Resistance measurement: First effective measuring range = ±5% of reading
Second effective measuring range = ±10% of reading
Infinite and zero scale values: 0.7% max. of scale length
AC voltage: ±10% of maximum scale value
No-load voltage: 130% max. of rated voltage
Rated measuring current: 1 mA (0 to 20%) when in first effective measuring range
Short-circuit current: 12 mA max.

General Specifications

Overall scale length: Approx. 78 mm; afterglow-illuminated scale plate

AC voltage measurement: If any AC voltage is present across the test terminals, the tester lets you know by pointing to an AC voltage value and turning on the LED lamp. You can perform AC voltage measurement with the MEAS switch turned off.

Additional functions:

- Automatic discharge function
 - If the object under test remains electrified after the MEAS switch is turned off, the tester lets you know by the LED lamp. If you leave the tester connected to the electrified object, the tester automatically begins to discharge electricity and then finishes discharging—the LED lamp comes on and then goes out.
 - When the object under test is capacitive and electrified, the tester lets you know by turning on the LED lamp. When left connected to the object, the tester automatically discharges electricity, thus preventing possible electric shock or spike noise at power-on.
- Battery check (BAT mark on the scale plate)

Battery life: Approx. 10 hours when continuously operated on manganese-oxide batteries with the pointer pointing to the central scale value.

Batteries: Four AA (R6P) batteries

Dimensions: Approx. 125 (W) × 103 (H) × 53 (D) (mm), excluding protrusions

Weight: Approx. 400 g (main unit and batteries only, excluding accessories)

Compliance: EN61010-1:1993; EN61010-2-31:1995
(Overvoltage Category III, Pollution Degree 2 installations for indoor use)

Standard Accessories

Product	Part Number	Qty
Protection cover	93013	1
Shoulder strap	99005	1
Line probe	98001	1
Earth probe	98002	1
User's manual	–	1
Batteries	–	4

External Dimensions

Unit: mm

