

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.

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

General Specifications

Scale length: Approx. 78 mm

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: 1993; EN61010-2-31: 1995 (over voltage category III, pollution Degree2 installations for indoor use).

3213A Series of Analog Insulation Testers

3213A
SERIES



- **Analog models with single rating**
- **AC voltage measurement and check live lines such as motive power lines**
- **One-touch operation Press-and-lock switch for continuous measurement**
- **A wide choice of accessories to meet various testing requirements**
- **Vibration- and shock-resistant hand-held compact testers**

Testing Performance Specifications

Model	Rating	Effective Measuring Range	Central Scale Value	AC Voltage Measuring Range	Lower Limit of measured Ω	Rated Current
321341	100V/20MΩ	0.02–20MΩ	0.5MΩ	0–150V	0.1MΩ	1mA
321342	250V/50MΩ	0.05–50MΩ	1MΩ	0–250V	0.25MΩ	1mA
321343	500V/100MΩ	0.1–100MΩ	2MΩ	0–300V	0.5MΩ	1mA
321344	500V/1000MΩ	1–1000MΩ	20MΩ	0–300V	0.5MΩ	1mA**
321345	1000V/2000MΩ	2–2000MΩ	50MΩ	0–300V	1MΩ	1mA**

* The minimum value at which the rated voltage can be maintained; ** 0.55 mA in the case of the first effective measuring range

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

Open circuit 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

Scale length: Approx. 88 mm

Dimensions (main unit): Approx. 110 (W) × 180 (H) × 60 (D) (mm)

Weight: Approx. 700 g including batteries, or approx. 1.2 kg including hard case, handle, test leads and batteries

Batteries: Eight AA (R6P) batteries

Accessories: See the list of accessories on the backside of this bulletin for information on accessories such as probes with a switch.

Standard Accessories

Product	Part Number	Qty
Test lead	98050	1 (consist of earth/line terminal)
Hard case	B9600HA	1 (w/leads-housing case)
Handle	B9303XE	1
User's manual	–	1
Batteries	–	8