

2406E Series of Analog Insulation Testers

2406E
SERIES



240631 240632 240633 240634 240635 240641
240642 240643 240644 240645

- Analog models with two and three ratings
- AC voltage measurement
- Automatic discharge
- Sky blue EL backlight

Testing Performance Specifications

Model	Suffix Code	Rating	Effective Measuring range	Central Scale Value	AC Voltage Measuring range	Lower limit of measured Ω	Rated Current
240631	-E	25V/5M Ω	0.001–5M Ω	0.1M Ω	0–300V	0.025M Ω	1mA
240641	-E	50V/10M Ω	0.005–10M Ω	0.2M Ω		0.05M Ω	1mA
		125V/20M Ω	0.01–20M Ω	0.5M Ω		0.125M Ω	1mA
240632	-E	125V/20M Ω	0.01–20M Ω	0.5M Ω	0–300V	0.125M Ω	1mA
240642	-E	250V/50M Ω	0.01–50M Ω	1M Ω		0.25M Ω	1mA
240633	-E	125V/20M Ω	0.01–20M Ω	0.5M Ω	0–600V	0.125M Ω	1mA
240643	-E	250V/50M Ω	0.01–50M Ω	1M Ω		0.25M Ω	1mA
		500V/100M Ω	0.05–100M Ω	2M Ω		0.5M Ω	1mA
240634	-E	250V/50M Ω	0.01–50M Ω	1M Ω	0–600V	0.25M Ω	1mA
240644	-E	500V/100M Ω	0.05–100M Ω	2M Ω		0.5M Ω	1mA
		1000V/2000M Ω	1–2000M Ω	50M Ω		1M Ω	1mA**
240635	-E	250V/500M Ω	0.1–500M Ω	10M Ω	0–600V	0.25M Ω	1mA**
240645	-E	500V/1000M Ω	0.5–1000M Ω	20M Ω		0.5M Ω	1mA**
		1000V/2000M Ω	1–2000M Ω	50M Ω		1M Ω	1mA**

EL-backlit Non-backlit * 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 $\pm$ 5°C/45–75% RH
Position of use: Horizontal (5° max. of angle of inclination)
External magnetic fields: 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 = $\pm$ 5% of reading
Second effective measuring range = $\pm$ 10% of reading
Infinite and zero scale values: 0.7% max. of scale length
AC voltage: $\pm$ 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

Scale length: Approx. 86 mm (outer scale)

Discharge function: The tester automatically begins discharge when you turn off the MEAS switch. The pointer swings if there is any residual voltage in the circuit under test. You can make sure discharge is complete by checking that the pointer swings back to the infinite (∞) scale value. Under this condition, the tester is ready to enter voltage measurement mode.

AC voltage measurement: AC voltage measurement is possible wherever the rotary switch is positioned.

Dimensions (main unit): Approx. 120 (W) $\times$ 110 (H) $\times$ 60 (D) (mm)

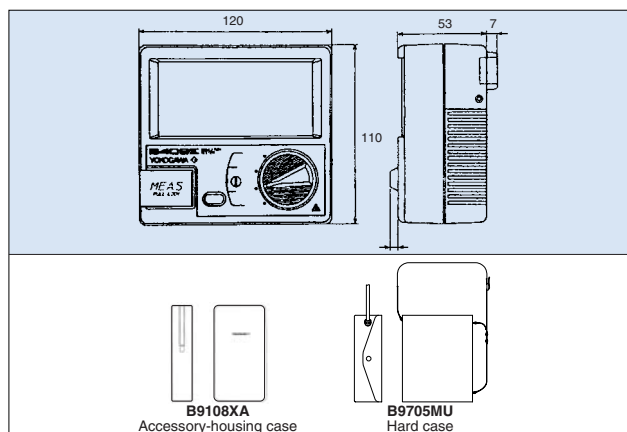
Weight: Approx. 500 g (including batteries)

Batteries: Six AA (R6P) batteries

Accessories: See the list of accessories on the backside of this bulletin for information on accessories.

External Dimensions

Unit: mm



Standard Accessories

Product	Part Number	Qty	Remarks
Earth and Line probes	98007	1	Earth probe(blake);approx. 1m long Line probe(vermilion);approx. 1m long
Carrying case	B9075MU	1	w/probe-housing pocket and neck strap
User's manual	—	1	—
Batteries	—	6	—