

# 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
- Increased safety (covered battery charger)

## Testing Performance Specifications

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

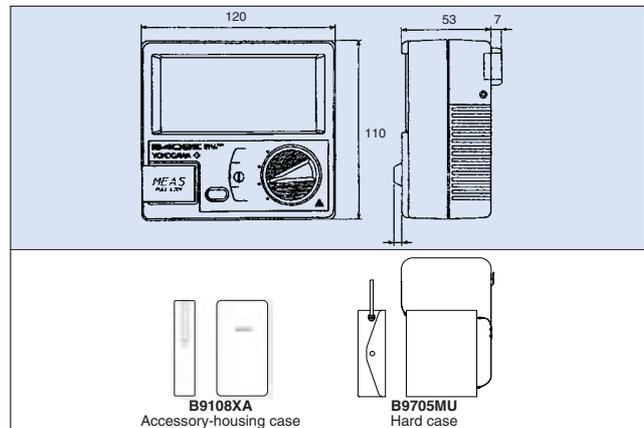
**Weight:** Approx. 500 g (including batteries)

**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<br>Line probe(vermilion);approx. 1m long |
| Carrying case         | B9075MU     | 1   | w/probe-housing pocket and neck strap                                       |
| User's manual         | –           | 1   | –   |
| Batteries             | –           | 6   | –   |