

2406D Series of Digital Insulation Testers

2406D SERIES



2406 51 2406 52 2406 53 2406 54 2406 55 2406 61
2406 62 2406 63 2406 64 2406 65

- Digital models with single and two ratings
- AC voltage measurement
- Automatic discharge
- EL backlight
- Addition of 500 V/2000 MΩ model
- Excellent tolerance: 2% of reading + 1 digit (first effective measuring range)

Testing Performance Specifications

Model	Rating	Range Option	Resolution	Measuring Range	Tolerance	Lower Limit of measured Ω	Rated Current	Central Scale Value
2406 51	125V/	.4000	.1kΩ	0–.0199MΩ	±(5% of rdg + 6dgt)	0.125MΩ	1mA	5MΩ
2406 61	200MΩ	4.000 40.00 200.0	1kΩ 10kΩ 100kΩ	.0200–10.00MΩ* 10.01–200.0MΩ	±(2% of rdg + 1dgt) ±5% of rdg			
	250V/	.4000	.1kΩ	0–.0499MΩ	±(5% of rdg + 6dgt)	0.25MΩ	1mA	5MΩ
	200MΩ	4.000 40.00 200.0	1kΩ 10kΩ 100kΩ	.0500–20.00MΩ* 20.01–200.0MΩ	±(2% of rdg + 1dgt) ±5% of rdg			
2406 52	125V/	.4000	.1kΩ	0–.0199MΩ	±(5% of rdg + 6dgt)	0.125MΩ	1mA	5MΩ
2406 62	200MΩ	4.000 40.00 200.0	1kΩ 10kΩ 100kΩ	.0200–10.00MΩ* 10.01–200.0MΩ	±(2% of rdg + 1dgt) ±5% of rdg			
2406 53	250V/	.4000	.1kΩ	0–.0499MΩ	±(5% of rdg + 6dgt)	0.25MΩ	1mA	5MΩ
2406 63	200MΩ	4.000 40.00 200.0	1kΩ 10kΩ 100kΩ	.0500–20.00MΩ* 20.01–200.0MΩ	±(2% of rdg + 1dgt) ±5% of rdg			
2406 54	500V/	.4000	.1kΩ	0–.0999MΩ	±(5% of rdg + 6dgt)	0.5MΩ	1mA	5MΩ
2406 64	200MΩ	4.000 40.00 200.0	1kΩ 10kΩ 100kΩ	.1000–50.0MΩ* 50.1–200.0MΩ	±(2% of rdg + 1dgt) ±5% of rdg			
2406 55	1000V/	4.000	1kΩ	0–1.999MΩ	±(5% of rdg + 6dgt)	1MΩ	1mA***	50MΩ
2406 65	2000MΩ	40.00 400.0 2000	10kΩ 100kΩ 1MΩ	2.000–1000MΩ* 1001–2000MΩ	±(2% of rdg + 1dgt) ±5% of rdg			

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

Non-backlit LED-backlit

Standard test conditions:

Ambient temperature/humidity ranges: 23 ±5 /45-75% RH

Position of use: Unrestricted

Effect of geomagnetism: None

Low-battery alarm: The battery symbol on the LCD comes on for a battery voltage level of 7 V ±0.5 V or lower.

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.

AC voltage measurement specifications

Model	Range	Resolution	Accuracy	Input Impedance
2406 51, 52, 53 2406 61, 62, 63	300V	1V	±(1.5% of rdg + 6dgt)	Approx. 1.5 MΩ
2406 54, 55 2406 64, 65	600V	1V	±(1.5% of rdg + 6dgt)	Approx. 1.5 MΩ

Large switch for better operation



General Specifications

Discharge function: The tester automatically discharge when you turn off the MEAS switch. The segment bar extends if there is any residual voltage in the circuit under test. You can make sure discharge is complete by checking that the segment bar disappears from the display. Under this condition, the tester is ready to enter voltage measurement mode.

AC voltage measurement: The tester enters AC voltage measurement mode when you turn on the power (rotary) switch.

Auto-hold function:

The tester retains the measured resistance for approximately 5 seconds after the MEAS switch is turned off.

Display: 3 1/2-digit LCD; 4000 count maximum; 42-segment, logarithmic bar graph; overrange input indicator—the OL symbol comes on if the measured value exceeds 2000 count (200.0 range).

MΩ range selection:
Fully automatic ranging

Range step-up:

The tester shifts the range one step upward for input levels higher than 4000 count.

Range step-down:

The tester shifts the range one step downward for input levels lower than 360 count.

Dimensions (main unit): Approx. 120 (W) × 110 (H) × 60 (D) (mm)

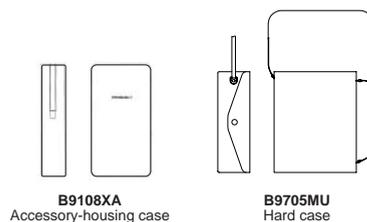
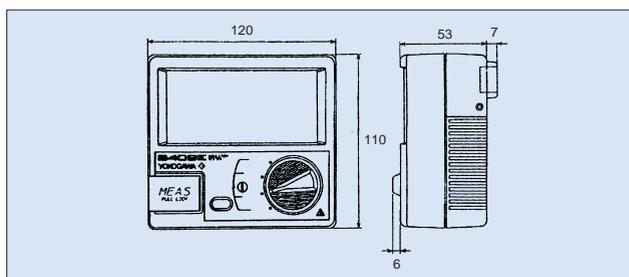
Weight: Approx. 500 g (including batteries)

Batteries: Six AA (R6P) batteries

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

External Dimensions

Unit: mm



Standard Accessories

Same as those of the 2406E series.