

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/20M Ω	0.02–20M Ω	0.5M Ω	0–150V	0.1M Ω	1mA
321342	250V/50M Ω	0.05–50M Ω	1M Ω	0–250V	0.25M Ω	1mA
321343	500V/100M Ω	0.1–100M Ω	2M Ω	0–300V	0.5M Ω	1mA
321344	500V/1000M Ω	1–1000M Ω	20M Ω	0–300V	0.5M Ω	1mA**
321345	1000V/2000M Ω	2–2000M Ω	50M Ω	0–300V	1M Ω	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 \pm 5 /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 = \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. 88 mm

Dimensions (main unit): Approx. 110 (W) \times 180 (H) \times 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

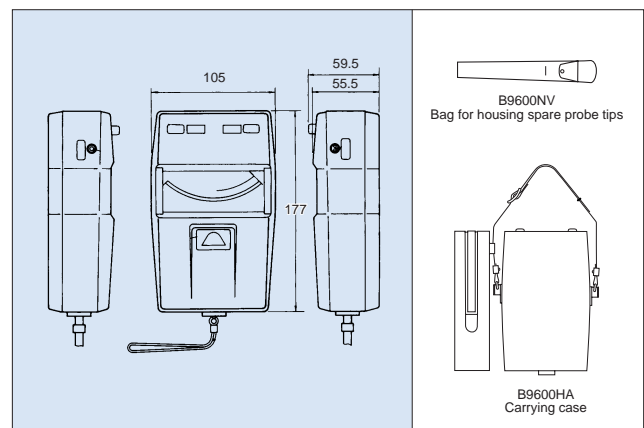
Accessories: See the list of accessories on the backside of this bulletin for information on accessories such as probes with a switch.

Standard Accessories

Product	Part Number	Qty
Test lead	B9205VA	1 (consist of earth/line terminal)
Hard case	B9600HA	1 (w/leads-housing case)
Handle	B9303XE	1
User's manual	–	1
Batteries	–	8

External Dimensions

Unit: mm



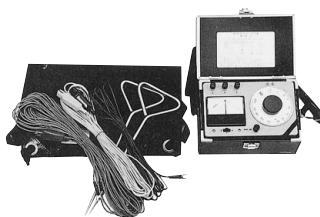
Related Products

Generator-driven Insulation Tester



Model 2404: (including case)
 Dimensions: Approx. 112 \times 184 \times 105 (mm)
 Weight: Approx. 1.3 kg

Earth Tester



Model 3235: (including case)
 Dimensions: Approx. 210 \times 140 \times 135 (mm)
 Weight: Approx. 2.5 kg, including case

Automatic Power Distribution Tester



Model 3207: (with case)
 Dimensions: Approx. 210 \times 140 \times 142 (mm)
 Weight: Approx. 2.3 kg (main unit only)