

# 3207 Insulation Polytester



**3207**  
120 x 185 x 124 mm 1.6 kg  
(4-3/4 x 7-1/4 x 4-7/8" 3.5 lbs)  
instrument only

Model 3207 is a transistorized multi-functional field tester using a shock-resistant, vibration-free taut band suspension indicator. Insulation tester, auto earth tester, AC ammeter and AC voltmeter are all put in one instrument. This instrument is ideal for all-round plant maintenance and a real money saver! Compact, rugged against rough handling, and easily carried in a supplied shoulder case. Complete and versatile accessories are supplied in a handy canvas carrying bag.

## MAIN FEATURES

- **Five measurements in one instrument**  
Insulation resistance, earth resistance, earth voltage, AC voltage and AC current.
- **Simple operation**  
Operation is very simple merely by rotating a range selector and depressing a pushbutton.
- **Direct reading**  
All measured values are indicated on the color-coded scale.
- **Battery conservation**  
With an efficient and stable transistorized inverter. Battery voltage can be checked on the scale.

## SPECIFICATIONS

Measurement	Insulation Resistance	Earth Resistance	Earth Voltage	AC Voltage	AC Current	
Measuring Range	320731	500V/100M $\Omega$	0 to 15, 150, 1,500 $\Omega$ (measuring frequency: 1.8 kHz)	0 to 30 V AC	70 to 130V, 140 to 260V, 280 to 520V AC (50 or 60 Hz)	0 to 15, 30, 75, 150, 300A AC (50 or 60 Hz)
	320732	250V/ 50M $\Omega$				
Scale	Three-digit logarithmic (black)	Uniform (blue)	Uniform (blue)	Uniform (red)	Uniform (black)	
Accuracy	$\pm 5\%$ of indicated value within effective measuring range except zero and rated value, $\pm 10\%$ of rated value for rated resistance, $\pm 0.7\%$ of scale length at zero and infinity	$\pm 3\%$ of full scale	$\pm 3\%$ of full scale	$\pm 1.5\%$ of full scale	$\pm 2.5\%$ of full scale	
Ambient Temperature Influence	$\pm 5\%$ of indicated value at the central scale mark for temperature change of $20 \pm 20^\circ\text{C}$ , $\pm 0.7\%$ of scale length at zero and infinity	$\pm 4\%$ of full scale for temperature change of $20 \pm 20^\circ\text{C}$		$\pm 1.5\%$ of full scale for temperature change of $20 \pm 10^\circ\text{C}$	$\pm 2.5\%$ of full scale for temperature change of $20 \pm 10^\circ\text{C}$	

**Power Source:** Eight 1.5V batteries (JIS SUM-3, ANSI AA, Mignon 1.5V or equivalent).

**Accessories supplied at no extra cost:** 1.5V batteries (8 pcs, built-in), measurement leads (1 pair for insulation resistance and AC V measurements), measurement leads (3 pcs, for resistance measurement), steel earth spikes (2 pcs, for earth resistance measurement), 2253 clip-on current transformer (1 pc), canvas accessory carrying bag (1 pc), instrument storage case (1 pc).

## OPTIONAL ACCESSORIES

### B9646CE Lead with probe switch

For insulation resistance measurement.  
(1pc/unit, order qty 1 unit)

### B9646CG Auxiliary earthing net

For earth resistance measurement.  
Convenient for use in improving earthing conditions of spikes in soft ground (sand) or on hard places such as concrete where spikes cannot be driven.  
(2pc/unit, order qty 1 unit)

