

# 3453 DIGITAL MOhm HiTESTER



## TRANSCAT®

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Rochester, NY 14624  
1.800.800.5001

[Visit us at Transcat.com!](http://www.transcat.com)

3453

## For efficient insulation measurement !

- One body within four ranges, 125 V/40 MOhm, 250 V/2000 MOhm, 500 V/2000 MOhm, and 1000 V/4000 MOhm.
- Accurate digital display.
- Insulation measurement through sight and sound.
- Memorizes on the spot (Memorizes up to 20 data points).
- Recognizes variations of resistance.
- Ability to measure AC voltage and low resistance (continuity).

Testing voltage	125 V DC	250 V DC	500 V DC	1000 V DC
Measurement range	4.000 MOhm or 40.00 MOhm	4.000 /40.00 /400.0 /2000 MOhm, (+ 4000 MOhm range at 1000 V mode)		
Accuracy: First effective measurement range	±2 % rdg. ±8 dgt. at 0 to 10.00 MOhm	±2 % rdg. ±8 dgt. at 0 to 20.00 MOhm	±2 % rdg. ±8 dgt. at 0 to 50.00 MOhm	±2 % rdg. ±8 dgt. at 0.200 to 999 MOhm
Accuracy: Second effective measurement range	±5 % rdg. at 10.01 to 40.00 MOhm	±5 % rdg. at 20.01 to 2000 MOhm	±5 % rdg. at 50.01 to 2000 MOhm	±5 % rdg. ±15 dgt. at 0 to 0.199 MOhm ±5 % rdg. at 1000 to 4000 MOhm
Voltage with no load	Not more than 1.2 times rated testing voltage			

<b>Min. resistance measurement value</b> (Resistance value to maintain rated voltage)	0.125 MOhm	0.250 MOhm	0.500 MOhm	2.000 MOhm
<b>Shorting measurement current</b>	1.2 mA max.			0.6 mA max.
<b>Response time</b>	Infinitude to center, infinitude to zero-MOhm within 5 second (within accuracy range)			
<b>Low resistance (conductivity)</b>	±2 % rdg. ±8 % dgt. at 0 to 400.0 Ohm (aural warning below: 30 Ohm), Open terminal voltage: 4 V max.			
<b>AC voltage range and accuracy</b>	±3 % rdg. ±8 dgt. at 0 to 600 V, 50 to 60 Hz, Input resistance: 170 kOhm			

## Common SPECIFICATIONS

### Discharge function :

effective

### Display :

Digital/4000 dgt. LCD, Bar graph/42 seg.

with backlight

### Functions :

**Insulation resistance mode:** comparator, memory (20 data), measurement value hold, auto discharge, bar graph display (measurement switch ON: insulation resistance; measure switch OFF: voltage across measurement terminals), auto display of measurement value 1 minute after measurement start, **All measurement mode:** live wire warning, battery indicators, auto power save

### Sampling rate :

2 times/second

### Power supply :

R6P(AA) × 4 or LR6(AA) × 4

### Dimensions :

155W × 98H × 80D mm, 500g

### Accessories :

9294 TEST PROBE(1)

display cover and suspension band(1)

## OPTION

*\*Note: Non-CE mark product*

9185 TEST LEAD  
\* 9288 BREAKER PIN

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