

## Digital Insulation Meter

- Checks new and existing installations for proper insulation
- Performs maintenance checks on motor windings
- Measures earth-bond resistance
- Calculates PI and DAR automatically
- Stores values in memory for easy recall
- Tests voltages at 50/100/250/500/1000V



*Checks motor windings for breakdowns in insulation*



# Digital Insulation Meter

Insulation is subject to many effects which can cause it to fail, including mechanical damage, vibration, excessive heat or cold, dirt, oil, corrosive vapors, moisture or humidity. The IDEAL Digital Insulation Meter is the tool every professional needs to determine whether the insulation is performing at an effective and safe level. During installation or routine maintenance, the Digital Insulation Meter identifies capacitive, absorption and leakage current, helping to prevent problems before they result in injury or equipment failure.

## Industrial/Commercial

### 61-797 Features

- Test voltages at 50/100/250/500/1000V
- Automatic calculation of PI and DAR
- Auto sensing AC/DC voltage to 600V
- Low Pass Filter – filters out high frequency noise
- Earth-bond resistance
- Test inhibition if >30V
- Digital reading with analog arc
- Compare pass/fail mode
- Remote test probe
- Store/recall memory
- Auto discharge
- Auto power off
- Backlit display – auto sensing
- Low battery indication
- Carrying case included
- CAT IV – 600V
- 2-year warranty

### 61-797 Specifications

Test Voltages	50/100/250/500/1000 VDC
Voltage AC/DC	0.1-600.0 V
Insulation Resistance	Up to 20G $\Omega$
Earth-Bond Resistance	0.01 $\Omega$ to 40.00k $\Omega$

Live voltage hazard indicator



Backlit display auto sensor

Alligator clips twist onto test leads

TL-797

TL-797 RP

Remote test button for convenient two-handed operation

Protective rubber boot



## Residential/Light Commercial

### 61-795 Specifications

Test Voltages	250/500/1000 VDC
Voltage AC/DC	0.1-600.0 V
Continuity	0.01-20.0 $\Omega$
Insulation Resistance	Up to 4000M $\Omega$
Resistance	0-200.0 $\Omega$

### 61-795 Features

- Test voltages: 250/500/1000V
- Test inhibition if >25V
- Default voltmeter to 600V AC/DC
- Backlight
- Digital display with analog arc
- Auto discharge
- Auto power off
- Continuity
- Low battery indication
- Carrying case included
- CAT IV – 600V
- 2-year warranty



## Innovation with a Purpose.

IDEAL INDUSTRIES, INC.  
Technical Hotline / 877-201-9005  
Becker Place, Sycamore, IL 60178, USA / 815-895-5181 • 800-435-0705 in USA

International offices:  
Australia • Brazil • Canada • China • Germany • Mexico • UK  
For complete sales office contact information, visit us at:  
[www.idealindustries.com](http://www.idealindustries.com) • [www.testersandmeters.com](http://www.testersandmeters.com)

Great for troubleshooting AFCI breaker tripping

Distributed by:  
**Valuetesters.com**  
sales@valuetesters.com

Tel: 602-795-8292, Fax: 602-795-4624



Rev. 1/09  
Form No. P-2857  
©2009 IDEAL INDUSTRIES, INC.  
Printed in U.S.A.