



**Di-LOG**  
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## ALL NEW DL9118 Multifunction Tester

### Technical Specification

#### Voltage

|            |                                    |
|------------|------------------------------------|
| Range      | 0V to 440V                         |
| Accuracy   | +/- 5% +/- 2digits from 0 to 100Hz |
| Resolution | 1V                                 |

#### Continuity

|              |                                                |
|--------------|------------------------------------------------|
| Range        | 0.01Ω to 200Ω                                  |
| Accuracy     | +/- 2% +/- 5 digits                            |
| Resolution   | 0.01Ω to 1.99Ω<br>2.0Ω to 19.9Ω<br>20Ω to 200Ω |
| Test Voltage | >4Vdc >25Vdc Open Circuit                      |
| Test Current | >200mA                                         |
| Compliance   | IEC61557-4 and IEC61557-10                     |

#### Insulation

|              |                                                      |
|--------------|------------------------------------------------------|
| Range        | 0.05MΩ to 200MΩ                                      |
| Accuracy     | +/-5% +/-5 digits                                    |
| Resolution   | 0.01MΩ to 1.99MΩ<br>2.0MΩ to 19.9MΩ<br>20MΩ to 200MΩ |
| Test Voltage | 250V/500V/100V                                       |
| Test Current | 1mA                                                  |
| Compliance   | IEC61557-2 and IEC61557-10                           |

#### No Trip Loop Impedance

|                  |                                                      |
|------------------|------------------------------------------------------|
| Range            | 0.01Ω to 2000Ω                                       |
| Typical Accuracy | +/-5% +/-12 digits (to 1.99Ω) +/-5 digits (to 2000Ω) |
| Resolution       | 0.01Ω to 1.99Ω<br>2.0Ω to 19.9Ω<br>20Ω to 2000Ω      |
| Test Current     | <15mA RMS                                            |

#### High Current Loop Impedance

|                  |                                                 |
|------------------|-------------------------------------------------|
| Range            | 0.01Ω to 2000Ω                                  |
| Typical Accuracy | +/-5% +/-5 digits                               |
| Resolution       | 0.01Ω to 1.99Ω<br>2.0Ω to 19.9Ω<br>20Ω to 2000Ω |
| Test Current     | 3.5A Peak                                       |



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### **Loop Test PFC Measurement**

|          |                   |
|----------|-------------------|
| Range    | 1A to 26kA        |
| Accuracy | +/-5% +/-5 digits |
| Range    | 1A to 999A        |
|          | 1kA to 26kA       |

### **High Current Line Impedance**

|                  |                               |
|------------------|-------------------------------|
| Range            | 0.01Ω to 2000Ω                |
| Typical Accuracy | +/-5% +/-5 digits             |
| Resolution       | 0.01Ω to 1.99Ω                |
|                  | 2.0Ω to 19.9Ω                 |
|                  | 20Ω to 2000Ω                  |
| Test Voltage     | Phase to Neutral 190V to 260V |
|                  | Phase to Phase 328V to 440V   |
| Test Current     | 3.5A Peak                     |

### **Line Test PSC Measurement**

|          |                   |
|----------|-------------------|
| Range    | 1A to 26kA        |
| Accuracy | +/-5% +/-5 digits |
| Range    | 1A to 999A        |
|          | 1kA to 26kA       |

### **RCD Trip Time Test**

|              |                                         |
|--------------|-----------------------------------------|
| Range        | 0ms to 2000ms                           |
| Accuracy     | +/-5% +/-2 digits                       |
| Range        | 0 to 2000ms ½ 1x                        |
|              | 0 to 300ms 1x general (500ms selective) |
|              | 0 to 40ms 5x                            |
| Test Current | 10mA/30mA/100mA ( ½ , 1x, 5x current)   |
|              | 300mA/500mA ( ½, 1x current)            |
| Compliance   | IEC61557-6 and IEC61557-10              |

### **RCD Trip Current Test**

|               |                           |
|---------------|---------------------------|
| Range         | 0.5 IΔn to 1.1 IΔn        |
| Accuracy      | +/-5% of expected current |
| Step Size     | 0.1*Δn                    |
| Step duration | 300ms                     |
| Compliance    | IEC61557-6 and 61557-10   |