



## DL9118 Specification

The ALL NEW DL9118 multifunction tester has been designed to fully comply with the testing requirements of the 17th Edition. It also incorporates many of the features that we have come to expect with modern MFTs. It is designed to be worn around the neck with a comfortable harness, for easy function selecting and testing.

The All NEW RCD-LOC *XLT* feature allows loop testing without tripping any type of RCD or RCBO with very high accuracy. The DL9118 is also packed full of features, such as a Remote Test Probe, Auto Start Loop & Continuity, colour changing LCD display indicating error, and comes complete with a toolbox style carry case. All in all, the DL9118 offers incredible value for a feature packed MFT meeting all the safety and performance requirements of BS EN 61557.



**Di-Log's NEW Xpert Loop Technology provides highly accurate low current loop testing, without the risk of tripping out any RCD or RCBO.**

Register your DL9118 MFT and use Di-LOG for your annual Calibration, and you will be automatically signed up to our fixed price service plan and extend your warranty to 3 years\*.



### KEY FEATURES

- Remote Probe Included
- UK's largest colour LCD display
- RCD-LOC *XLT*<sup>TM</sup>
- Phase Rotation
- Auto Start Loop & Continuity
- 1000V Insulation Test

### Features

- Loop Impedance – Unique auto start RCD-LOC *XLT* loop test principle will not trip any RCD
- Prospective short circuit current – with auto start and direct readout of PSCC
- High Current Loop Test – auto start loop test with high current Ze measurement
- Phase Rotation Test – will indicate the correct phase sequence
- Continuity test – with auto start & null facility to zero out lead resistance
- RCD testing – Trip time, trip current, auto test and ramp current
- RCD auto test – test RCDs in auto mode and simply recall the test results once finished
- Insulation measurement – with 250, 500 & 1000V test voltages
- Integrated socket polarity test
- Fully protected against damage when accidentally connected across phases



**Di-LOG**  
...measurably better

**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  
2.0Ω to 19.9Ω  
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  
2.0MΩ to 19.9MΩ  
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  
2.0Ω to 19.9Ω  
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  
2.0Ω to 19.9Ω  
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