



DL911x Series MFT Technical Information

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		
DL9110		DL9118	
Test Voltage	250V / 500V	Test Voltage	250V / 500V / 1000V
Test Current	1mV		
Compliance	IEC61557-2 and IEC61557-10		

No Trip Loop Impedance	
Range	0.01Ω to 2000Ω
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
Accuracy	+/-5% +/-5 digits
Resolution	0.01Ω to 1.99Ω 2.0Ω to 19.9Ω 20Ω to 2000Ω
Test Current	3.5A Peak

Loop Test PFC Measurement	
Range	1A to 26kA
Accuracy	+/-5% +/-5 digits
Resolution	1A to 999A 1kA to 26kA

High Current Line Impedance			
Range	0.01Ω to 2000Ω		
Accuracy	+/-5% +/-5 digits		
Resolution	0.01Ω to 1.99Ω 2.0Ω to 19.9Ω 20Ω to 2000Ω		
DL9110		DL9118	
Test Voltage	Phase to Neutral 190V to 260V	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
Resolution	1A to 999A 1kA to 26kA

RCD Trip Time Test	
Range	0ms to 2000ms
Accuracy	+/- 5% +/- 2 digits
Resolution	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 IEC61557-10

Additional Date			
DL911x Weight	1360g		
DL911x Dimensions	Width 236mm Depth 130mm Height 91mm		
DL911x Boxed	3075g		
DL911x Boxed Dimensions	Width 380mm Depth 195mm Height 250mm		
DL9110		DL9118	
ISBN	5060082543463	ISBN	5060082543449

Box Contents			
DL911x unit			
Padded neck strap			
Professional toolbox style carry case			
Mains lead			
1.2M black test lead			
1.2M red test lead			
1.2M green test lead			
Black crocodile clip			
Red crocodile clip			
Green crocodile clip			
MN1500 (AA) 1.5v Batteries x 6			
Operating Instruction Manual			
Calibration certificate			
DL9110		DL9118	
Remote Test Probe	Optional Accessory RP911x	Remote Test Probe	Yes

Spare Parts for DL911x Series MFT	
LS3W9073	3 wire lead set c/w crocodile clips and probes
ML9073	Mains lead 3 x 4mm to 13A Plug UK
RP911x	Remote test probe
CC911x	Toolbox style carry case
Miscellaneous	1.6A 1000V HRC FF Fuse

For help or advice on Service and Calibration contact:

Service Department
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