

DL 420

16th Edition Multifunction Digital Loop Tester

The ultimate 16th edition instrument

Wiring Test

Detects missing E or N (>15kΩ)

Detects L-E or L-N swap

Detects Live - Earth/Neutral reversal by use of Polarity Test Pad

Fault indicated by chart on front of instrument

Phase - Neutral voltage measurement	± 1 % ± 1V
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Phase - Earth voltage measurement	± 1 % ± 1V
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Neutral - Earth voltage measurement	± 1 % ± 1V
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Loop Test

No trip mode 3 wire testing Phase - Neutral - Earth all connected

Test current <15mA at 253V AC

Range	Accuracy
0.00 to 9.99Ω	± 5 % ± 5 digits
10.00 to 99.9Ω	± 3 % ± 3 digits
100.00 to 500Ω	± 3 % ± 3 digits

High current mode 2 wire testing Phase-Neutral or Phase-Earth connected using true impedance measurement - auto test (hands free) is selectable.

Range	Accuracy
0.00 to 9.99Ω	± 3 % ± 3 digits
10.00 to 99.9Ω	± 3 % ± 3 digits
100.00 to 500Ω	± 3 % ± 3 digits

PFC Measurement

10A - 19.9kA

This is a calculated result using the loop test measurement *but it will be inherently more accurate than traditional methods as the test is of impedance not solely resistance*

Over Voltage Protection

440V AC

No damage - complete recovery

Power

4 x AA batteries (not included)

Battery life (BS EN 61557) > 10,000 test (or shelf life of batteries installed)

Environmental

Operating Temperature Range 0°C to 40°C

Storage Temperature Range -10°C to 60°C

Operating Humidity 80% @ 31°C to 50% @ 40°C

Size 157mm x 89mm x 39mm

Weight 400g