

# SLIM – Lineworker's Loop Tester



## Supply Loop Impedance Meter

### Tests connections to Low Voltage Networks to AS 4741

SLIM SL-5215 is easy to use with no range to select.

Tests Neutral Integrity and measures Loop Impedance at up to twice the accuracy of other field instruments.

- Measures A-N and N-E Voltages simultaneously
- Measures A-N Loop Impedance
- Indicates
  - o A & N Reversed
  - o A & E Reversed
  - o No Neutral
  - o No Earth
- Simple operation – only two keys!
- Display of Ph – N and Ph – Ph voltage from 5 to 500V
- Display of N – E voltage from 0.0 to 10V
- Direct connection to optional Temporary Earth Stake
- Weatherproof to IP54
- Cat 4 - 600V to AS61010
- Backlit display for poor ambient lighting conditions
- Auto off to conserve batteries
- Designed & manufactured in Australia



**PACIFIC TEST**  
equipment

# SPECIFICATION

## Supply Loop Impedance Meter with Polarity & Voltage Testing

Model Number	SL-5215
Testing Criteria	Australian Standard AS4741
Polarity detection	Polarity Correct, A&N reversed (with Earth connection), A&E reversed, no Neutral, no Earth
Phase to Neutral Voltage	Range 5 → 500V~, Resolution 1V, Accuracy ± 2% of reading ± 2 digits
Phase to Phase Voltage	Range 5 → 500V~, Resolution 1V, Accuracy ± 2% of reading ± 2 digits
Neutral to Earth Voltage	Range 0 → 10V~, Resolution 0.1V, Accuracy ± 2% of reading ± 2 digits
Maximum Voltage input	600V AC
Loop Impedance	Range 0 → 2Ω, Resolution 0.01Ω, Accuracy ± 2% of reading ± 2 digits
Loop Test Load	24A @ 240V~ nominal
Test Load duration	Adaptive line loading, 20 mS x 3 to 7 loads per Loop test
Mains Frequency	Range 38 → 62Hz, Resolution 1Hz, Accuracy ± 1Hz
Operating Temperature Range	-10 → 50 ° C ambient
Storage Temperature Range	-20 → 80° C ambient
Internal Operating Temperature Range	-10 → 70 ° C
Operating Temperature Indication	Continuous display of operating temperature
Over Temperature Indication	On screen warning to wait for cool down
Humidity, Storage and Operating	To 98% non-condensing
Sampling method	16 bit 2 channel synchronous sampling ADC
Display	LED Backlit Graphical Liquid Crystal Display – 122 x 64 pixels
Auto turn-off	Backlight off after 30 seconds, Display shutdown after 60 seconds (programmable)
Power Supply	6 x AA alkaline cells (installed)
Battery Condition Indicator	Battery Symbol on the LCD, vertical bars indicate state
Power Consumption	30mA nominal operating current
Enclosure	ABS fire retardant rating UL94HB
Dimensions	220mm x 110mm x 45mm (H x W x D)
Weight excluding leads & accessories	610g
Ingress Protection	IP54
Input Connection	4mm Safety Banana sockets (RD, GN & BK)
Supplied leads & accessories	Set of 3 x 36A 1.5m red, black & green/yellow with 3 elephant clips and 2 test probes
Carry bag	Lined Polyester with lead pouch
Warranty	Two years
Quality Assurance Certification	ISO9001
RoHS	2002/95/EC Compliant
REACH	2006/121/EC Compliant
Electrical Safety Compliance	AS/NZS 61010.1 Category IV 600V
ACMA Supplier Code	N468 (C-Tick)
ERAC Responsible Supplier Number	E1287 (RCM)