

Westire Handheld Analyser

LED Luminaire Diagnostic &
Commissioning Tool

Uses ANSI/NEMA Twist Lock
socket to measure electrical
power & characteristics of
DALI driver



Handheld Device
Onsite Diagnostic Tool
Commissioning Made Easy

Features & Benefits

- Inserts into a **3, 5 or 7 pin** ANSI/NEMA Twist Lock socket.
- Mains operated from the socket
- On-site LED street light luminaire diagnostics
- Universal power and frequency range **85 V AC to 264 V AC, 46 - 63 Hz**
- Measures **volts, amps, watts and power factor**
- **Verifies the type of LED driver installed** within the LED luminaire
- Powers up in the auto-cycle display mode
- Caters for **DALI** communications protocol
- 0 to 10 volts is available as an optional extra
- Up to 300m length of connecting cable to analysing cell if required.
- **DALI MCR potentiometer** function
- Easy to adjust rotary knob to test **ON/OFF and dimming functions**



Technical Specifications

General	
Measuring Range Volts	85 V - 264 V
Measuring Range Amps	0 A - 10 A
Display	LED
Reading Colour	Red
Digital Numbers	4
Digital Readout Height	9.2 mm
Reading Accuracy	+/- 1%
Power	
Power Supply	85 V - 264 V
Analyser Circuit Current	110mA
Maximum Current	10 A
Environmental	
Operating Temperature	0° C - 60° C
Enclosure Material	Polycarbonate
Standards Compliance	UL, CSA, IEC/EN 61010-1

Basic Operation

Upon application of AC power, after inserting into the LED streetlight twistlock socket, the unit will first perform a self-test routine and then continuously display AC Volts with the VOLTS LED annunciator illuminated.

The display will remain in the VOLTS mode if the front panel 'SEL' button is not touched.

Holding the 'SEL' button down for 3 seconds will place the unit in a continuous auto-cycling mode, and the display will repetitively scroll through all four measurements, with each measurement remaining displayed for 3 seconds.

When the continuous autocycling mode is initially selected, the unit will briefly display 'Auto On' before continuous cycling begins.

Momentarily touching the 'SEL' (Select) button again will cause the unit to briefly display 'Auto OFF' before it returns to the fixed VOLTS reading mode.



Important

To ensure operation of the Westire LED Streetlight Power Analyser the pseudo photocell section must be fitted into the Twist Lock ANSI/NEMA socket and locked into place. The fitting operation is a similar procedure to fitting a Dusk to Dawn Photocell and must be performed

by an experienced and qualified streetlight installation electrical contractor. The complete operation can be performed without the need to disconnect the mains supply to the streetlight luminaire.