

21st Century Dual Mode TDR for Testing and Monitoring Energized and Non-Energized Cables

Arc Chaser™ finds opens/shorts/arc faults on fully energized cables up to 600 volts, with distance-to-fault accuracy to 1%; it can monitor live cables for minor transient fault conditions, capturing these "events" and reporting where and when they occur. Arc Chaser™ is the market leader in Spread-Spectrum Time Domain Reflectometry (SSTDR) test technology: made by LiveWire Innovation and distributed in Europe by Copernicus Technology Ltd.

Works on energized or non-energized cables

Discover cable events which can only be shown under load

Monitors transient arc faults, opens and shorts

Find faults caused by vibration that are otherwise hidden

Shows results in graphical or text format

Clear and simple view of faults

Saves reports, transferable to PCs for storage and printing

Maintain history of information

Cable fault finding up to 3657 metres (12,000 ft)

Easily verify quality of entire cable length

Tone generation

Signal tracing of cables

NVP library

Quick access to cable NVP values

Self-calibrates to maintain accuracy over time or due to environmental change

No metrology calibration required

Metric or Imperial Measurements

International applications

600V Category III

Meets full international requirements for working on Energized Cables

8-10 Hours of Battery Life in the Field

Over a full day of testing without charging



Wiring & Interconnection Testing that Leads the Field

+44 (0)1343 842406 info@CopernicusTechnology.com



Physical Features

Colour Touch-Screen Display

Easy to navigate in all lighting environments

Compact Form Factor

Easy to use in confined space environments

3rd Generation Lithium-Ion Batteries

8-10 hours of continuous use

Benchtop, Handheld, or Hung Up

Easy to use for Field, Line and Workshop environment

SD Card for Data File Transfer of Cable Tests

Easy to maintain report files and save for later viewing

Upgradeable Firmware

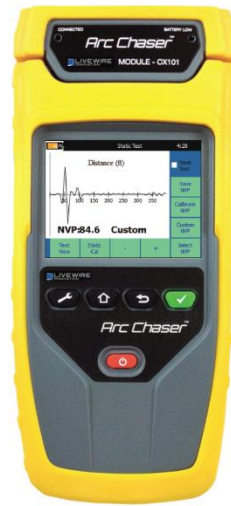
Stay up to date with the latest NVP Values and enhanced software upgrades

Uses Modular Cable Interfaces

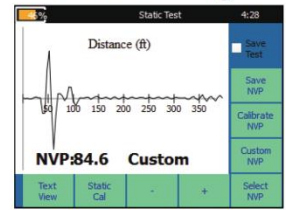
Connects to many different types of systems

Waterproof/Shock Resistant Transport Case

Keeps equipment protected even in harsh conditions



Static Testing

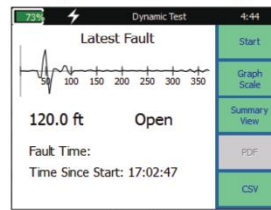


Graphical

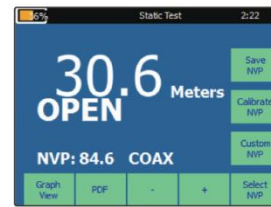


Text

Dynamic Testing



Graphical



Text



Arc Chaser™ Specification

Power	Wall Power voltage input Range: 10→28V, 20W (board will run with wall power down to 4V, however batteries will not charge unless input voltage is greater than 10V) Totex Battery Pack, with four LIO Rechargeable Cells Full Screen Brightness, Dynamic Test, 7.8V battery: 335mA 0→100% brightness, @7.8V: 90mA Typical battery current: 185mA
Battery Life	Battery Pack, initial 5200 mA-hr (typical) Operating at static screen, or occasional static test: 185mA (assuming 65% LCD brightness) Dynamic Operation: 280mA (assuming 65% LCD brightness) Low Power – 70mA, assuming full charge of 5000mAH, 71hours Off → 420 µA board (+500uA Battery Pack circuitry)
Altitude	2000 metres (6,500 feet)
Temperature /Humidity	Operating: (-10 if standard crystal) -20 to 70°C Storage: -30 to 80°C 10 → 90% non-condensing
Enclosure	High-strength ABS plastic V0 with boot 22.94 cm x 10.61 cm x 6.12 cm (9.03" x 4.18" x 2.41") Weight with batteries: 862g (1lb 9oz)
Safety Compliances	Complies with ANSI/ISA 82.02.01 (61010-1) 2004, CAN/CSAC22.2 No 61010-1-04, UL 6101B (2003) and IEC/EN 61010-1 2nd Edition for measurement Category III, 600 V, EMC EN61326-1
One-year CTL Warranty	Excludes misuse, mishandling and operation outside the parameters specified in the User Manual

All models are supplied CE-marked and FCC-compliant.

Please note that all specifications are correct at the time of publication (Dec 2013) and they are subject change without notice.

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