

Wire Integrity Tester (WIT)



The Astronics DME Wire Integrity Tester (WIT) is a portable, self-contained test platform used for verification testing and fault detection, isolation and repair of metallic wiring. The tester contains the hardware and software necessary to test and verify the integrity of wiring in a field deployed, depot, or factory type environment.

The WIT is a fully functional, hand held wire integrity tester to evaluate the condition of wiring/cabling within a system, such as aircraft, ground vehicles, boats/ships, or interior/exterior wiring/cabling, including long haul cabling. The WIT is capable of providing quantitative measurements to detect opens and shorts, along with intermittent conditions such as chaffing or cracking of the wire's insulator. The WIT consists of a Tablet PC combined with an instrument pack. The integrated unit provides: a Spread Spectrum Time Domain Reflectometer (SSTDR), a Low Energy High Voltage (LEHV) Time Domain Reflectometer (TDR), and optionally, a Digital Multimeter (DMM).



- Next Generation of TDR
- Combines the latest SSTDR technology
 and ArcSafe LEHV technologies
- LEHV ArcSafe Slow Charge design provides added ability to detect and locate soft faults on un-powered conductors without powering or moving the cable
- Detects hard faults and soft faults on metallic conductors
- Capable of detecting soft faults in harnesses that are unpowered or powered

Wire Integrity Tester Specifications

Dimensions (Tester) 7.2°(h) × 8.8°(w) × 3.5°(d) DTF Accuracy (Un-branched Path)/(Inimum Valid Range) (Transit Case) 8.5°(h) × 17.5°(w) × 21°(d) User Entered VoP Weight (Tester) <8 lb · > 5.0 feet and ≤ 100 feet TABLET CHARACTERISTICS Un-Controlled Impedance 4(3%, of reading +0.2°) + VoP Uncertainty Un-Controlled Impedance 4(3%, of reading +0.2°) + VoP Weight 2.4 lb · Un-Controlled Impedance 4(3%, of reading +0.2°) + VoP Processor Speed Intel® Atom ™ Z530 (1.6GH2) Un-Controlled Impedance 4(3%, of reading +0.2°) + VoP Ward Drive 120GB SATA 1.8° G-sensor Un-Controlled Impedance 4(3%, of reading +2°) + VoP Un-Controlled Impedance 4(3%, of reading +2°) + VoP Uncertainty Unser SD Memory Card SD Memory Card 25.0 feet and ≤ 100 feet Camera Camera 2Mp-UXGA auto-focus Controlled Impedance 4(3% of reading + 0.2°) Options GB Memory Card SD Memory Card 25.0 feet and ≤ 100 feet SI Un-Controlled Impedance 10% of reading + 0.2° Un-Controlled Impedance 10% of reading + 0.2° Options GB Memory Card Controlled Impedance 10% of reading + 0.2° SI Un-Controlled Impedance 10% of reading + 0.2° Un-Controlled Impedance 10% of reading + 0	GENERAL CHARACTERISTICS		SSTDR	
Transit Case) 8.5'(h) × 1.7.5'(w) × 21'(d) User Entered VoP Weight [Caster) 6.1b.x 5.5.0 feat and ≤ 100 feet Transit Case) 271 b Controlled Impedance 4(3% of reading +0.2') + VoP TABLET CHARACTERISTICS Un-Controlled Impedance 4(3% of reading +0.2') + VoP Vicentarinty 2.4 lb.x Un-Controlled Impedance 4(5% of reading +0.5') + VoP Vicentarinty 2.4 lb.x Controlled Impedance 4(5% of reading + 2) + VoP Vicentarinty 2.4 lb.x Controlled Impedance 4(5% of reading + 2) + VoP Vicentarinty 2.4 lb.x VoP Uncertainty VoP Uncertainty Vicentarinty 2.4 lb.x Controlled Impedance 4(5% of reading + 0.2')				
Weight (Tessler) <8 lbs.			User Entered VoP	
Canadia Case) <27 lbs.			\geq 5.0 feet and \leq 100 feet	
LABLET CHARACTERISTICS Un-Controlled Impedance ±(5% of reading ±0.5') + VoP Uncertainty Un-Controlled Impedance ±(5% of reading ±0.5') + VoP Weight 2.4 lbs. Controlled Impedance ±(5% of reading ±0.5') + VoP Processor Speed Intel® Atom™ Z530 (1.6GHz) > 100 feet and ≤ 5000 feet Controlled Impedance ±(5% of reading ±2) + VoP USB 2x VoP Semi-Auto Calculation ±(5% of reading ±2) + VoP VoP Uncertainty UsB 2x VoP Semi-Auto Calculation ±5% of reading ±0.2' VoP Uncertainty Camera Camera 2Mp-UXGA auto-focus Controlled Impedance ±5% of reading ±0.2' Un-Controlled Impedance ±5% of reading ±0.2' Options GPS receiver (+ external GPS antenna over cradle) >100 feet and ≤ 5000 feet Controlled Impedance ±5% of reading ±0.2' BlueTooth 2.1+EDR BlueTooth 2.1+EDR >100 feet and ≤ 5000 feet Controlled Impedance ±5% of reading ±0.2' Type Lithium Polymer Battery Packs Outpect and ≤ 5000 feet 20% VOR Semi-Auto Cable ±5% of reading ±0.2' Type Lithium Polymer Battery Packs Output Signal Amplitude 0.016 - 0.500 Vpp (selectable) Type Lithi	(Transit Case)	<27 lbs.	Controlled Impedance	
Dimensions 9.2° W × 5.9° H × 1.9° D > 100 feet and ≤ 5000 feet Weight 2.4 lbs. Controlled Impedance ±(5% of reading + 2') + VoP Uncertainty Processor Speed Intel® Atom™ 2530 (1.6GHz) Un-Controlled Impedance ±(10% of reading + 2') + VoP Uncertainty USB 2x VoP Semi-Auto Calculation ±(10% of reading + 2') + VoP Uncertainty USB 2x VoP Semi-Auto Calculation ±(10% of reading + 0.2') Camera Camera 2Mp-UXGA auto-focus Controlled Impedance ±5% of reading + 0.2' Options GPS receiver (+ external GPS antenna over cradle) Un-Controlled Impedance ±5% of reading + 0.2' BilueTooth 2.1+EDR Controlled Impedance ±5% of reading + 0.2' Un-Controlled Impedance ±10% of reading + 0.2' UD/2D barcode reader Un-Controlled Impedance ±10% of reading + 0.2' Un-Controlled Impedance ±10% of reading + 0.2' Type Lithium Polymer Battery Packs Controlled Impedance ±10% of reading + 0.2' Un-Controlled Impedance ±10% of reading + 0.2' Voltage 7.4V VoC Voltage 300 VDC VoP VoIto 200 Vpp (selectable) Sims </td <td>TABLET CHARACTERISTICS (Logic Instrument Fieldbook)</td> <td></td> <td>Un-Controlled Impedance</td> <td>±(5% of reading +0.5') + VoP</td>	TABLET CHARACTERISTICS (Logic Instrument Fieldbook)		Un-Controlled Impedance	±(5% of reading +0.5') + VoP
Weight 2.4 lbs. Controlled Impedance ±(5% of reading + 2) + VoP Processor Speed Intel® Atom™ Z530 (1.6GHz) Un-Controlled Impedance ±(0% of reading + 2) + VoP USB 2x VoP Uncertainty voP Uncertainty USB 2x VoP Semi-Auto Calculation voP Uncertainty Camera Camera 2Mo-UXGA auto-focus VoP Semi-Auto Calculation ± 5% of reading + 0.2' Options GPS receiver (+ external GPS antenna over cradle) ± 10% of reading + 0.2' Un-Controlled Impedance ± 5% of reading + 0.2' BlueTooth 2.1+EDR Albu = Tooth 2.1+EDR > 100 feet and ≤ 5000 feet ± 10% of reading + 0.2' Type Lithium Polymer Battery Packs Controlled Impedance ± 5% of reading + 2' Type Lithium Polymer Battery Packs OC Voltage 300 VDC Voltage 7.4V Output Signal Amplitude 0.016 - 0.500 Vpp Vaid Range V(Un-branched Path, 25.0 feet and ≤ 125 feet) (Minimum Vaid Range) Vmax 5 kv @ 50 µA 100 feet and ≤ 500 VP >100 LEHY TDR ± 3(% of reading + 0.2') + VoP VoP Uncertainty VoP Uncertainty 0.01 Q.0 C DTF Accuracy (Un-branched Path, 25.0 feet and ≤ 125 feet) (Minimum Vaid Range) Vmax 5 kv @ 50 µA <t< td=""><td>Dimensions</td><td>9.2" W x 5.9" H x 1.9" D</td><td>> 100 feet and < 5000 feet</td><td>Oncertainty</td></t<>	Dimensions	9.2" W x 5.9" H x 1.9" D	> 100 feet and < 5000 feet	Oncertainty
Processor speedintelle Atom '' 2530 (1.6 GH2)UncertaintyHard Drive120GB SATA 1.8" G-sensorUn-Controlled Impedance $\pm (10\% \text{ of reading } + 2) + (2\% \text{ op Puncertainty})$ USB2xVoP UncertaintyExpansion SlotsExpress Card 54 SD Memory CardVoP Semi-Auto CalculationCameraCamera 2Mo-UXGA auto-focus antenna over cradle)VoP Semi-Auto GalculationOptionsGPS receiver (+ external GPS antenna over cradle) ± 50.0 feet and ≤ 100 feetBlueTooth 2.1+EDRS100 feet and ≤ 5000 feet $\pm 5\%$ of reading + 0.5"Not SettingRFID scanner 13.56MHzControlled Impedance $\pm 5\%$ of reading + 2"1D/2D barcode readerUn-Controlled Impedance $\pm 5\%$ of reading + 2"TypeLithium Polymer Battery PacksDC Voltage240 VAC RMS @ 50/60 or 400 HzVoltage7.4V2500mAhAC Voltage300 VDCBattery Operation>4hr (typical)Output Signal Amplitude (selectable)0.016 - 0.500 Vpp (selectable)LEHY TDR $\pm 13\%$ of reading + 0.5" Tms DTF Accuracy (Un-branched Path, ≥ 5.0 feet and ≤ 125 feet) (Minimur Vaild Range) Vmax 5 kv @ 50 μ A $\pm (3\%$ of reading +0.2") $AC / DC VoltImETER$ Left Y DR $\pm 13\%$ of reading +0.5" Tms DTF Accuracy (Un-branched Path, ≥ 5.0 feet and ≤ 125 feet) (Minimur VoP $AC / DC VoltImETER$ $AC / DC VoltImETER$ Left Y DR $\pm 13\%$ of reading +0.5" $AC / DC VoltImETER$ $AC / DC VoltImETER$ VoP Semi-Auto Calculation $\pm 5\%$ of reading +0.5" $AC / DC Volt$	Weight	2.4 lbs.		(C)/ of reading (Q) ()/oD
USB 2x VOP Uncertainty Expansion Slots Express Card 54 SD Memory Card Camera Camera 2Mp-UXGA auto-focus Options GPS receiver (+ external GPS antenna over cradle) BlueTooth 2.1+EDR BlueTooth 2.1+EDR RFID scanner 13.56MHz 1D/2D barcode reader 1D/2D barcode reader 250 (Voltage 240 VAC RMS @ 50/60 or 400 Hz 2500mAh 1Demittent Event Duration for Detection (typical) 1Drecursing Vmax 5 kv @ 50 µA 1D/2D VolTMETER 2 Controlled Impedance 1D/2D VolTMETER 2 Controlled Impedance 1 (3% of reading +0.2) ⁺ 1 (3% of reading +0.2) ⁺ 2 (3% of reading +0.2) ⁺	Processor Speed	Intel® Atom™ Z530 (1.6GHz)	Controlled Impedance	
Expansion Slots Express Card 54 SD Memory Card VoP Semi-Auto Calculation Camera Camera 2Mp-UXGA auto-focus antenna over cradle) ≥ 5.0 feet and ≤ 100 feet Options GPS receiver (+ external GPS antenna over cradle) 2mm cradle ±5% of reading + 0.2' BlueTooth 2.1 +EDR Un-Controlled Impedance ±5% of reading + 0.2' 1D/2D barcode reader Un-Controlled Impedance ±5% of reading + 2' 1D/2D barcode reader Un-Controlled Impedance ±5% of reading + 2' Ype Lthium Polymer Battery Packs Controlled Impedance ±0% of reading + 2' Yoltage 7.4 / Output Signal Amplitude 0.016 - 0.500 Vpp (selectable) Voltage 7.4 / Output Signal Amplitude 0.016 - 0.500 Vpp (selectable) Valid Range) Vmax 5 kv @ 50 µA' Intermittent Event Duration for Devection (typical) LEHY TDR Unpowered cable >1ms DT Accuracy (Un-branched Path, ≥ 0.50 µA' Kof% of reading +0.2') + VoP Uncertainty Kof% of reading +0.2') + VoP Uncertainty AC / DC VoITMETER LEHY TDR ±13% of reading +0.2') + VoP Uncertainty Kof% of reading +0.2') + VoP Uncertainty AC / DC VoITMETER Controlle	Hard Drive	120GB SATA 1.8" G-sensor	Un-Controlled Impedance	±(10% of reading + 2') +
SD Memory Card SD Memory Card ≥ 5.0 feet and ≤ 100 feet Camera Camera 2Mp-UXGA auto-focus Controlled Impedance ±5% of reading + 0.2' Options GPS receiver (+ external GPS antenna over cradle) Blue Tooth 2.1+EDR > 100 feet and ≤ 5000 feet Blue Tooth 2.1+EDR > 100 feet and ≤ 5000 feet ±5% of reading + 0.5' Blue Tooth 2.1+EDR > 100 feet and ≤ 5000 feet Libr Do tho cance reader Un-Controlled Impedance ±5% of reading + 2' Maximum Input Ratings for Powered Wires (CAT II) AC Voltage 240 VAC RMS @ 50/60 or 400 Hz Type Lithium Polymer Battery Packs DC Voltage 300 VDC Voltage 7.4V 2500mAh Output Signal Amplitude 0.016- 0.500 Vpp (selectable) Battery Operation >4hr (typical) Un-Controlled Impedance >1ms DTF Accuracy (Un-branched Path, ≥5.0 feet and ≤ 125 feet) (Minimur Vaid Range) Vmax 5 kv @ 50 µA Uncertainty Unpowered cable >1ms DTF Accuracy (Un-branched Path, ≥5.0 feet and ≤ 125 feet) (Minimur Vaid Range) Vmax 5 kv @ 50 µA Lift of trading +0.5') + VoP Max AC / DC VoLTMETER Un-Controlled Impedance ±(5% of reading +0.5') + VoP VoP Max S-5½ digits VoP Semi-Auto Calculation ±(5% of reading +0.5') + VoP Range 1mV to 300V VoP Semi-Auto Ca	USB	2x		VoP Uncertainty
Camera Camera Camera Camera Commera Controlled Impedance ±5% of reading + 0.2' Options GPS receiver (+ external GPS antenna over cradle) Un-Controlled Impedance ±10% of reading + 0.2' BlueTouth 2.1+EDR >100 feet and ≤ 5000 feet ±5% of reading + 0.2' RFID scanner 13.56MHz Controlled Impedance ±5% of reading + 0.2' 1D/2D barcode reader Un-Controlled Impedance ±5% of reading + 0.2' Type Lithium Polymer Battery Packs Controlled Impedance ±5% of reading + 0.2' Yop Lithium Polymer Battery Packs DC Voltage 200 VDC Voltage 7.4' Output Signal Amplitude 0.016 - 0.500 Vpp (selectable) Battery Operation >4hr (typical) Intermittent Event Duration for Uscal) >1ms DTF Accuracy (Un-branched Path, ≥ 5.0 feet and ≤ 125 feet) (Minimum Vaid Range) Vmax 5 kv @ 50 µA >1ms >3ms User Entered VOP ±(3% of reading + 0.2') + VoP Range 1mV to 300V VoP Un-controlled Impedance ±(3% of reading + 0.2') + VoP Range 1mV to 300V VoP Semi-Auto Calculation ±(5% of reading + 0.2') + VoP Range 1mV to 300V VoP Semi-Auto Calculation ±(5% of reading + 0.2') + VoP Range 0.1 Ω to 20 M Ω	Expansion Slots			
Options GPS receiver (+ external GPS antenna over cradle) Un-Controlled Impedance ±10% of reading + 0.5' Blue Tooth 2.1+EDR > 100 feet and ≤ 5000 feet RFID scanner 13.56MHz Controlled Impedance ±10% of reading + 2' ID/2D barcode reader Un-Controlled Impedance ±10% of reading + 2' Maximum Input Ratings for Powered Wires (CAT II) AC Voltage Type Lithium Polymer Battery Packs Co Voltage 300 VDC Voltage 7.4V Output Signal Amplitude 0.016 – 0.500 Vpp (selectable) Battery Operation >4hr (typical) Intermittent Event Duration for Detection (typical) LEHV TDR	Camera	Camera 2Mp-UXGA auto-focus		
BlueTooth 2.1+EDR > 100 feet and ≤ 5000 feet RFID scanner 13.56MHz Controlled Impedance ±5% of reading + 2° ID/2D barcode reader Un-Controlled Impedance ±5% of reading + 2° Maximum Input Ratings for Powered Wires (CAT II) AC Voltage 240 VAC RMS @ 50/60 or 400 Hz Yope Lithium Polymer Battery Packs DC Voltage 300 VDC Voltage 7.4V Octype Stignal Amplitude 0.016 – 0.500 Vpp (selectable) Battery Operation >4hr (typical) Intermittent Event Duration for Dettor) (selectable) 0 DTF Accuracy (Un-branched Path, ≥ 5.0 feed ing +0.2') + VoP VoP VoP Samper 3ms DTF Accuracy (Un-branched Path, ≥ 5.0 feed ing +0.2') + VoP VoP Cotrolled Impedance ±(3% of reading +0.2') + VoP Range 1mV to 300V VoP Semi-Auto Calculation ±(5% of reading +0.5') + VoP Range 1mV to 300V Ac Volts Frequency Range 40 Hz to 10 kHz VoPSemi-Auto Calculation ±(5% of reading +0.2') + VoP Range 1.0 to 20 MΩ 1.0 to 20 MΩ	Options		Controlled Impedance	±5% of reading + 0.2'
RFID scamer 13.56MHz Controlled Impedance ±5% of reading + 2' ID/2D barcode reader Un-Controlled Impedance ±10% of reading + 2' BATTERY CHARACTERISTICS (ESTES) Maximum Input Ratings for Powers Was @ 50/60 or 400 Hz Type Lithium Polymer Battery Packs CO Voltage 300 VDC Voltage 7.4V Coutput Signal Amplitude 0.016–0.500 Vpp (selectable) Wat/Hr 2500mJA Intermittent Event Duration for Uspical) Ins Battery Operation >4hr (typical) Intermittent Event Duration for Uspical) Ims DTF Accuracy (Un-branched Path, ≥ 5.0 freading + 0.2') + VoP VoP Unocontrolled Impedance \$4(3% of reading + 0.2') + VoP NoP Un-Controlled Impedance ±(3% of reading + 0.2') + VoP Range 1mV to 300V VoP Semi-Auto Calculation ±(5% of reading + 0.2') + VoP Range 40 Hz to 10 kHz VoP Semi-Auto Calculation ±(5% of reading + 0.2') + VoP OHMMETER 5-% digits Kontrolled Impedance ±(5% of reading + 0.2') + VoP Range 10 Hz to 10 kHz Kontrolled Impedance ±(5% of reading + 0.2') + VoP Range 0 HZ to 10 kHz Kontrolled Impedance ±5% of read			Un-Controlled Impedance	±10% of reading + 0.5'
ID/2D barcode reader Un-Controlled Impedance ±10% of reading + 2' Maximum Input Ratings for Powered Wires (CAT II) AC Voltage 240 VAC RMS @ 50/60 or 400 Hz Ypp Lithium Polymer Battery Packs DC Voltage 300 VDC Voltage 7.4V Output Signal Amplitude 0.016–0.500 Vpp Watt/Hr 2500mA+ Intermittent Event Duration for Detection (typical) LEHV TDR >4hr (typical) Unpowered cable >1ms DTF Accuracy (Un-branched Path, ≥ 5.0 feet and ≤ 125 feet) (Minimum Valid Range) Vmax 5 kv @ 50 µA Sime DMM User Entered VoP AC / DC VolTMETER Sime AC / DC Voltage >3ms Un-Controlled Impedance ±(3% of reading +0.2') + VoP Uncertainty Un-Controlled Impedance ±(5% of reading +0.2') + VoP Uncertainty Un-Controlled Impedance £(5% of reading +0.2') + VoP Uncertainty VoP Uncertainty VoP Uncertainty Un-Controlled Impedance £(5% of reading +0.2') + VoP Uncertainty VoP Uncertaint		BlueTooth 2.1+EDR	> 100 feet and \leq 5000 feet	
BATTERY CHARACTERISTICS (ESTER) Maximum Input Ratings for Powered Wires (CAT II) Type Lithium Polymer Battery Packs AC Voltage 240 VAC RMS @ 50/60 or 400 Hz Yoltage 7.4V DC Voltage 300 VDC Watt/Hr 2500mAh Output Signal Amplitude (selectable) 0.016 – 0.500 Vpp (selectable) Battery Operation >4hr (typical) Intermittent Event Duration for Use (selectable) DTF Accuracy (Un-branched Path > 5.0 Feeding +0.2') + Valid Range) Vmax 5 kv @ 50 μ 1ms DTF Accuracy (Un-branched Path > 5.0 Freading +0.2') + VoP Controlled Impedance ±(3% of reading +0.2') + VoP Range 1mV to 300V Un-Controlled Impedance ±(5% of reading +0.5') + VoP Kange 1mV to 300V 5-½ digits AC Volts Frequency Range 40 Hz to 10 kHz CV oto 15 Frequency Range 40 Hz to 10 kHz Maximum Input Ratings for Power Kortolled Impedance ±5% of reading +0.2' Range 10L to 20 MΩ Maximum Input Ratings for Power Kortolled Impedance ±5% of reading +0.2' Range 0.1 Ω to 20 MΩ Maximum Input Ratings for Power Kortolled Impedance ±5% of reading +0.2' Range 0.1 Ω to 20 MΩ Maximum Input Ratings for Power		RFID scanner 13.56MHz	Controlled Impedance	±5% of reading + 2'
BATTERY CHARACTERISTICS (TESTER) AC Voltage 240 VAC RMS @ 50/60 or 400 Hz Type Lithium Polymer Battery Packs DC Voltage 300 VDC Voltage 7.4V DC Voltage 0.016– 0.500 Vpp (selectable) Watt/Hr 2500mAh Intermittent Event Duration for Detection (typical) LEHV TDR Unpowered cable >1ms DTF Accuracy (Un-branched Path, ≥ 5.0 feet and ≤ 125 feet) (Minimum Valid Range) Vmax 5 kv @ 50 μA >125 feet) (Minimum VoP Uncertainty OMM Valid Range) Vmax 5 kv @ 50 μA ± (3% of reading +0.2') + VoP Uncertainty Range 1mV to 300V Un-Controlled Impedance ± (5% of reading +0.5') + VoP Uncertainty Range 1mV to 300V VoP Semi-Auto Calculation ± 5% of reading +0.2' Range 0.1 Ω to 20 M Ω		1D/2D barcode reader	Un-Controlled Impedance	±10% of reading + 2'
Type Lithium Polymer Battery Packs DC Voltage 300 VDC Voltage 7.4V DC Voltage 0.016–0.500 Vpp (selectable) Watt/Hr 2500mAh Intermittent Event Duration for Detection (typical) LEHV TDR Unpowered cable >1ms DTF Accuracy (Un-branched Path, ≥ 5.0 feet and ≤ 125 feet) (Minimum Valid Range) Vmax 5 kv @ 50 µ × ≤ 125 feet) (Minimum Voltage DMM User Entered VoP ±(3% of reading +0.2') + VoP Uncertainty Range 1mV to 300V Un-Controlled Impedance ±(5% of reading +0.5') + VoP Uncertainty Range 1mV to 300V VoP Semi-Auto Calculation ±(5% of reading +0.5') + VoP Uncertainty Range 0.1 Ω to 20 M Ω Controlled Impedance ±5% of reading +0.2' Range 0.1 Ω to 20 M Ω			Maximum Input Ratings for Powered Wires (CAT II)	
Voltage 7.4V Output Signal Amplitude 0.016-0.500 Vpp (selectable) Watt/Hr 2500mAh Intermittent Event Duration for Detection (typical) ILEHV TDR >4hr (typical) Intermittent Event Duration for Detection (typical) DTF Accuracy (Un-branched Path, ≥ 5.0 feet and ≤ 125 feet) (Minimum Valid Range) Vmax 5 kv @ 50 µA >100000000000000000000000000000000000			AC Voltage	240 VAC RMS @ 50/60 or 400 Hz
Watt/Hr 2500mAh Intermittent Event Duration for D-0.000 vpp (selectable) Battery Operation >4hr (typical) Intermittent Event Duration for D-tection (typical) LEHV TDR Unpowered cable >1ms DTF Accuracy (Un-branched Path, ≥ 5.0 feet and ≤ 125 feet) (Minimur Valid Range) Vmax 5 kv @ 50 µ DMM DMM User Entered VoP AC / DC VOLTMETER DMN Un-Controlled Impedance ±(3% of reading +0.2') + VoP Uncertainty Vo	Туре	Lithium Polymer Battery Packs	DC Voltage	300 VDC
Battery Operation >4hr (typical) Intermittent Event Duration for Detection (typical) LEHV TDR Unpowered cable >1ms DTF Accuracy (Un-branched Path, ≥ 5.0 feet and ≤ 125 feet) (Minimum Valid Range) Vmax 5 kv @ 50 µA Powered cable >3ms User Entered VOP Edition of reading +0.2') + VoP Uncertainty AC / DC VOLTMETER Range 1mV to 300V Un-Controlled Impedance ±(3% of reading +0.2') + VoP Uncertainty Resolution 5-½ digits VOP Semi-Auto Calculation ±(5% of reading +0.5') + VoP Uncertainty AC Volts Frequency Range 40 Hz to 10 kHz Vor Semi-Auto Calculation ±5% of reading + 0.2' Range 0.1 Ω to 20 M Ω	Voltage	7.4V	Output Signal Amplitude	••
LEHV TDRUnpowered cable>1msDTF Accuracy (Un-branched Path, ≥ 5.0 feet and ≤ 125 feet) (Minimum Valid Range) Vmax 5 kv @ 50 µAUnpowered cable>3msUser Entered VOPDMMUser Entered VOPAC / DC VOLTMETERControlled Impedance±(3% of reading +0.2') + VOPRange1mV to 300VUn-Controlled Impedance±(5% of reading +0.5') + VOPRange1mV to 300VVOP Semi-Auto Calculation5-½ digitsControlled Impedance±5% of reading + 0.2'Range0.1 Ω to 20 M Ω	Watt/Hr	2500mAh		
LERV TDXDTF Accuracy (Un-branched Path, ≥ 5.0 feet and ≤ 125 feet) (Minimum Valid Range) Vmax 5 kv @ 50 μAPowered cable>3msUser Entered VoPDMMControlled Impedance±(3% of reading +0.2') + VoPRange1mV to 300VUn-Controlled Impedance±(5% of reading +0.5') + VoPRange1mV to 300VVoP Semi-Auto Calculation5-½ digitsControlled Impedance±5% of reading + 0.2'Range0.1 Ω to 20 M Ω	Battery Operation	>4hr (typical)		
Diff Accuracy (on-branched Pain, ≥ 5.0 feet and ≤ 125 feet) (winnimum Valid Range) Vmax 5 kv @ 50 μA DMM User Entered VoP AC / DC VOLTMETER Controlled Impedance ±(3% of reading +0.2') + VoP Uncertainty Un-Controlled Impedance 1mV to 300V VoP Semi-Auto Calculation ±(5% of reading +0.5') + VoP Uncertainty Resolution 5-½ digits Controlled Impedance ±(5% of reading +0.5') + VoP Uncertainty AC Volts Frequency Range 40 Hz to 10 kHz VoP Semi-Auto Calculation E5% of reading + 0.2' Range 0.1 Ω to 20 M Ω	LEHV TDR			
User Entered VoP AC / DC VOLTMETER Controlled Impedance ±(3% of reading ±0.2') + VoP Range 1mV to 300V Un-Controlled Impedance ±(5% of reading ±0.5') + VoP Resolution 5-½ digits KoP Semi-Auto Calculation ±(5% of reading ±0.5') + VoP OHMMETER 40 Hz to 10 kHz Controlled Impedance ±5% of reading ±0.2' Range 0.1 Ω to 20 M Ω	DTF Accuracy (Un-branched Path, \geq 5.0 feet and \leq 125 feet) (Minimum Valid Range) Vmax 5 kv @ 50 μ A			>3ms
Controlled Impedance±(3% of reading +0.2') + VoPRange1mV to 300VUn-Controlled Impedance±(5% of reading +0.5') + VoPResolution5-½ digitsto P Semi-Auto Calculation±(5% of reading +0.2') + VoPOHMMETER40 Hz to 10 kHzControlled Impedance±5% of reading +0.2'Range0.1 Ω to 20 M Ω	User Entered VoP			
Un-Controlled Impedance ±(5% of reading +0.5') + VoP Resolution 5-½ digits VoP Semi-Auto Calculation ΔC Volts Frequency Range 40 Hz to 10 kHz Controlled Impedance ±5% of reading + 0.2' Range 0.1 Ω to 20 M Ω	Controlled Impedance			1mV to 300V
VoP Uncertainty AC Volts Frequency Range 40 Hz to 10 kHz VoP Semi-Auto Calculation OHMMETER Controlled Impedance ±5% of reading + 0.2' Range 0.1 Ω to 20 M Ω	Un-Controlled Impedance	e ±(5% of reading +0.5') +	Resolution	5-1/2 digits
Controlled Impedance $\pm 5\%$ of reading + 0.2'Range0.1 Ω to 20 M Ω			AC Volts Frequency Range	40 Hz to 10 kHz
	VoP Semi-Auto Calculation		OHMMETER	
Un-Controlled Impedance ±10% of reading + 0.5' Resolution 5-½ digits	Controlled Impedance	±5% of reading + 0.2'	Range	0.1 Ω to 20 M Ω
	Un-Controlled Impedance	±10% of reading + 0.5'	Resolution	5-1/2 digits

Actual product specifications may have changed since the printing of this brochure. Brochure specifications are not binding. Confirm current specifications at time of order.

Astronics DME Corporation 12889 Ingenuity Drive Orlando, Florida 32826 www.astronics.com