CableEye® TECHNICAL SPECIFICATIONS

	Low Voltage Only				Low Voltage plus High Voltage	
	M2U-B Item 810U	**M2U** Item 811U	**M3U** Item 821U p.5	**M3UH** Item 821UH	**HVX** 1500 Vdc 1000 Vac Item 829 p.8	**HVX-21** 2100 Vdc 1200 Vac Item 829A p.8
Test Points Available	128	64,128,152 Switch Selectable	64,128,152 Switch Selectable		64, 128, 152 Switch Selectable (for LV tests) 64, 128 Switch Selectable (for HV tests)	
Expandable	No	Yes, to 1024	Yes	M3U to 2560 Max M3UH to 1024 Max	Yes, to 1024 Max	Yes, to 512 Max
Test Time	0.2 s		0.2 s One Threshold 0.25 s Two Thresholds		Depends on voltage, ramp rate, and test algorithm selected	
USB Interface	USB 1.1, Fast		USB 1.1, Fast		USB 1.1, Fast, Two Ports	
Resistance Thresholds	46 kΩ, Fixed		M3U: 0.3 Ω to 10 MΩ M3UH: 0.1 Ω to 5 MΩ		0.1 Ω to **1 GΩ**	0.1 Ω to **5 GΩ**
Resistance Measurement	No		2% from 10 Ω to 100 Ω 1% from 100 Ω to 1 MΩ Lesser accuracy over full range.		Same as M3UH under 1 MΩ. 5% 1 MΩ to 100 MΩ, Lesser accuracy above 100 MΩ	
4-Wire Kelvin (option)					1 mΩ ± 1 mΩ, 1 mΩ –15 Ω Test Current 100 mA –1 A	
Diode Measurement	Orientation Only		Orientation and Forward Voltage		Orientation and Forward Voltage, Rev. Breakdown	
Test Voltage	5 V		10 V		10 - **1500** Vdc or 10 - **1000** Vac_{rms} in Increments of 1 V	10 - **2100** Vdc or 10 - **1200** Vac_{rms} in Increments of 1 v
Test Voltage Accuracy					DC: ± 2%, ± 1.5 V AC: ± 4%, ± 2 V_{rms}	
Max. Test Current	0.3 mA		M3U: 1.0 mA M3UH: 3.3mA		LV: 3.3 mA HV: Adj 25 µA – 1.5 mA	
Dielectric Withstand Range (DWR)					DC: 25 µA – 1.5 mA AC: 50 µA – 1.5 mA	
Dielectric Withstand Theshold Accuracy					DC: ± 5%, ± 5 µA AC: ± 5%, ± 100 µA	
Dwell Time Range	1 µs to 100 ms		1 µS to 100 ms		LV: 1 µs to 100 ms HV: 10 ms - 300 s	
Insulation Resistance Measurement Range			10 MΩ Max at 10 V		2 MΩ - 1 GΩ at 1500 Vdc 2 MΩ (min) at 1000 Vac Current Sensitivity: **1 µA**	2 MΩ - 5 GΩ at 2100 Vdc 2 MΩ (min) at 1000 Vac Current Sensitivity: **0.2 µA**
Calibration	Not required		Recommended Yearly		Recommended Yearly	
Test Point Connectors	64-pin dual-row headers, 0.1" (2.54 mm) centers. Two per 128-point module					
Remote Control Socket	No	MiniDIN8 Connector for Footswitch, External Control Panel			Optional HV Remote Socket	
Probe Socket	No	Yes. Probe included with tester. Accessory port also useable with minihook cables.				
Power Requirement	9 Vdc at 300 mA (max) 3 W, from wall module		18 Vdc at 500 mA (max) 9 W, from wall module or desktop supply		100 - 250 Vac, 130 W (max), IEC-standard universal C14 chassis plug	
Weight	2 lbs 6 oz (1.1 kG)		2 lbs 10 oz (1.2 kG)		21 lbs (9.5 kG)	
Computer Requirements	Any Windows-capable machine running Windows XP-SP3, Win7, Win8, or Win10. Compatible with touchscreen and laptop PCs.					
Warranty	One year, parts and labor, with free tech support and free software upgrades. Renewable yearly.					