

TECHNICAL SPECIFICATIONS

	Low Voltage			High Voltage
	M2U-B	M2U	M3U	HVX
Test Points Available	128	64, 128, 152 Switch Selectable	64, 128, 152 Switch Selectable	64, 128 Switch Selectable
Expandable	No	Yes, to 1024 Max	Yes, to 2560 Max	Yes, to 512 Max
Test Time	0.2 Sec	0.2 Sec	0.2 Sec One Threshold 0.25 Sec Two Thresholds	Depends on voltage, ramp rate, and test algorithm.
USB Interface	USB 1.1, Fast	USB 1.1, Fast	USB 1.1, Fast	USB 1.1, Fast, Two Ports
Resistance Thresholds	46 k Ω , Fixed	46 k Ω , Fixed	0.3 Ω to 10 Megohms	0.1 Ω to 1 Gigohm
Resistance Measurement	No	No	1% from 100 Ω to 1 M Ω Lesser accuracy over full range.	Same as M3U under 1 M Ω . 5% 1 M Ω to 100 M Ω , Lesser accuracy above 100 M Ω
Diode Measurement	Orientation Only	Orientation Only	Orientation and Forward Voltage	Orientation and Forward Voltage, Rev. Breakdown
Test Voltage	5 v	5 v	10 v	10 - 1500 vDC or 10 - 1000 vAC RMS in Increments of 1 v
Test Voltage Accuracy				DC: $\pm 2\%$, ± 1.5 v AC: $\pm 4\%$, ± 2 vRMS
Maximum Test Current	0.3 ma	0.3 ma	1 ma	LV: 3.3ma HV: Adj 25 μ A – 1.5 mA
Dielectric Withstand Range				DC: 25 μ A – 1.5 mA AC: 50 μ A – 1.5 mA
Dielectric Withstand Theshold Accuracy				DC: $\pm 5\%$, ± 5 μ A AC: $\pm 5\%$, ± 100 μ A
Dwell Time Range	1 μ S to 100 mS	1 μ S to 100 mS	1 μ S to 100 mS	LV: 1 μ S to 100 mS HV: 10 mS - 300 S
Insulation Resistance Measurement Range			10 M Ω Max at 10v	2 M Ω - 1 G Ω at 1500 vDC 2 M Ω (min), High de- pends on adapter leakage
Calibration	Not required	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.		
Probe Socket	No	Yes. Probe included with tester. Accessory port also useable with minihook cables.		
Power Requirement	9v DC at 300 ma (max), 3w, from wall module.		18v DC at 500 ma (max) 9w, from wall module or desktop supply.	100 - 250 vAC, 65w (max), IEC-standard uni- versal C14 chassis plug.
Weight	2 lbs 6 oz (1.1 kG)	2 lbs 8 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, Vista, or Win7. Compatible with laptop PCs.			
Upgradable	No	Yes, to M3U or HVX	Yes, to HVX	(not applicable)
Warranty	One year, parts and labor, with free tech support and free software upgrades. Renewable yearly.			