

Produkt-Datenblatt

Technische Daten, Spezifikationen

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MEILHAUS
ELECTRONIC

CableEye® TECHNICAL SPECIFICATIONS

Low Voltage Testers					
	M2U-B <small>Item 810U</small>	M2U <small>Item 811U</small>	M3U <small>Item 821U</small>	M3UH <small>Item 821UH</small>	M4 <small>Item 824</small>
Test Points Available	128	64, 128, 152 <small>Switch Selectable</small>	64, 128, 152 <small>Switch Selectable</small>		64, 128, 152 <small>Software Selectable</small>
Expandable	No	Yes, to 1024	Yes M3U to 2560 Max M3UH to 1024 Max		Yes, to 1024
Test Time (128 Test Points)	0.2 s		0.2 s One Threshold 0.25 s Two Thresholds		0.15 s One Threshold 0.40 s Two Thresholds
USB Interface	USB 1.1, Fast		USB 1.1, Fast		USB 1.1, Fast
Resistance Thresholds	46 kΩ, Fixed		M3U: Settable 0.3 Ω to 10 MΩ M3UH: Settable 0.1 Ω to 5 MΩ		0.1 Ω to 5 MΩ
Resistance Accuracy			2% from 10 Ω to 100 Ω 1% from 100 Ω to 1 MΩ Lesser accuracy at extremities of range.		2% from 10 Ω to 100 Ω 1% from 100 Ω to 1 MΩ Lesser accuracy at extremities of range.
Resistance Range			M3U: 0.3 Ω to 10 MΩ M3UH: 0.1 Ω to 5 MΩ		0.02 Ω to 10 MΩ
Null Fixture Resistance			Yes		Yes
4-Wire Kelvin					10 mΩ ± 10 mΩ, 10 mΩ –15 Ω Test Current: 3.3 mA
Intermittant Connection Scan Rate	8 Scans/Sec		8 Scans/Sec (128 Test Points) 20 Scans/Sec (64 Test Points)		7 Scans/Sec (128 Test Points) 16 Scans/Sec (64 Test Points)
Diode Measurement	Orientation Only		Orientation and Forward Voltage		Orientation and Forward Voltage, Rev. Breakdown <10V
Test Voltage	Fixed: 5V		Fixed: 10V		Settable: 10V (default), 5V, 3.3V, 2.5V, 1.7V,
Max. Test Current	0.3 mA		M3U: 1.0 mA , M3UH: 3.3mA		3.3 mA
Capacitance Range					100 pF - 100 μF
Capacitance Accuracy					±5%
Capacitance Meas. Rate					20 Measurements/Sec at 100 nF or less
Twisted Pair Measurement					Yes, 6' Minimum Length
Twisted Pair Capacitance					Yes
Scan for Twisted Pairs					Yes
Meas. Cable Length					Yes, ±3 Feet
Meas. Distance to Break					Yes, ±3 Feet
Dwell Time Range	1 μs to 100 ms		1 μs to 100 ms		1 μs to 100 ms
Insulation Resistance Measurement			M3U: 10 MΩ Max at 10 V M3UH: 5 MΩ Max at 10 V		10 MΩ Max at 10V
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	M2U-B: No	MiniDIN8 Connector for Footswitch, External Control Panel			
Probe Socket	M2U-B: No	Yes. Probe included with tester. Accessory port also useable with minihook cables.			
Power Requirement	9 Vdc at 150 mA, 2 W		18 Vdc at 200 mA (max), 4 W		18 Vdc at 500 mA (max), 9 W
Weight	2 lbs 6 oz (1.1 kG)		2 lbs 10 oz (1.2 kG)		2 lbs 6 oz (1.1 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.				