Multi-Core LED Analyzer

ICT IN-CIRCUIT TESTER

TR5001 SII LED SERIES

- High Accuracy, Reliability and Testing Speed Modular ICT+FCT
- Built-In Self-Diagnostics and Auto-Calibration Function
- In-System LED Analyzer up to 1080 LED Channels

Ease of Use

Up to 2048 Testing Points

Quick Disconnection Interface

TRI innovation

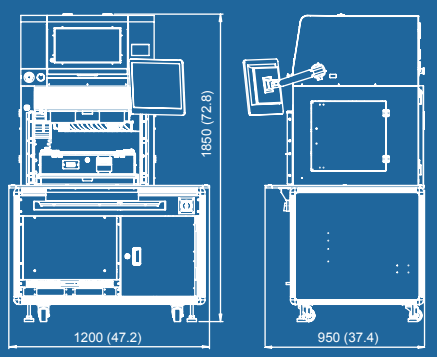
Specifications

TR5001 SII LED SERIES

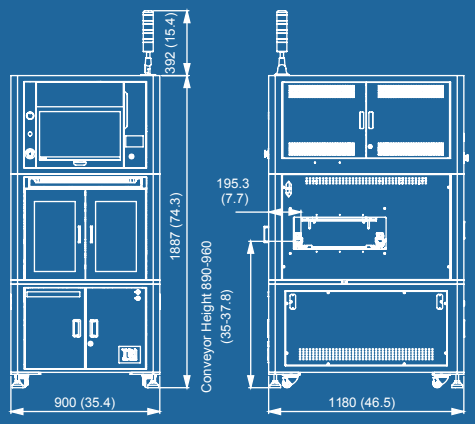
Model		TR5001 SII INLINE TR5001 SII QDI	TR5001D SII INLINE TR5001D SII QDI	TR5001Q SII INLINE TR5001Q SII QDI
General	No. of Cores	1	1, 2	1, 2, 4
	Max. Test Points	2048 Points		
	Operating System	Microsoft® Windows Compatible PC with USB, Windows 10		
	Power Requirement	200 – 240 VAC, Single Phase, 50/60 Hz, 3 kVA		
	Air Requirement	Dry Air 4 – 8 kg/cm², Air Consumption: 20 liters/cycle		
	Fixture Type	Inline or Offline with Long Lifespan Quick Disconnection Interface		
PCB Size		TR5001(D/Q) SII INLINE: 70 x 70 – 500 x 460 mm (2.76 x 2.76 – 19.69 x 18.11 in.)		
Max. PCB Weight		5 kg		
Max. Component Height Clearance		Top: 80 mm (3.15 in.) / Bottom: 30 mm (1.18 in.)		
Conveyor Height		890 – 960 mm (35.04 in – 37.79 in)		
Analog Measurement Capability	Measurement Switching Matrix 6-wire Measurement	Programmable Frequency: *100 Hz, 1 kHz, 10 kHz, 100 kHz* Programmable DC Voltage Source: *±10 V Max., Resolution: 2 mV* Programmable DC Current Source: *+100 mA Max., Resolution: 0.1 mA* Programmable AC Voltage Source: *10 Vpp Max., Res olution: 2 mV* Programmable High Voltage Current Source: *53 V / 100 mA Max.*		
	Component Measurement Capability	Resistance: *30 mohm – 40 Mohm* Capacitance: *5 pF – 40 mF* Inductance: *5 µH – 60 H*		
	Analog Measurement	AC Voltmeter: *0 – 100 Vp* DC Voltmeter: *0 – ±100 V, Resolution: 0.5 mV – 10 mV*		
In-Tester LED Analyzer	Repeatability	1%		
	LED Channels	Up to 1080 LED Test channels. (Top: up to 540 / Bottom: up to 540.)		
	Fixture Connection	Quick Disconnection Interface (QDI)		
LED Measurement Parameters		Red/Green/Blue (RGB), Hue/Saturation/Intensity (HSI), Dominant Wavelength, CIE xy		
Optional Hardware	Analog Test	TestJet Technology: *Vectorless Open Circuit Detection* Arbitrary Waveform Generator (AWG): *Frequency Range 0 – 100 kHz; Resolution: 0.15 Hz, BW: 100 KHz Max.*		
	Digital Test	Non-multiplexing 1:1 Per Pin Architecture with Independent Per-pin Level Setting Pin Drivers: *Programmable Levels 0.5 V to 4.5 V* Pin Receivers: *Programmable Levels 0 V to 5 V* Pull-up/Pull-down Resistor: *4.7 K* DUT Power Supplies: *5 V@3 A, 3.3 V@3 A, 12 V@3A, -12 V@1 A and 24 V@3 A* APPS Programmable DUT Power Supply: *75 V / 8 A max, 200W Max. Output Power* On-board Programming of Flash & EEPROM Memories MAC Address Programming: *Supports MAC Address Programming with Server Supplied MAC Address* Boundary Scan: *Includes BScan Chain Test, BScan Cluster Test, BScan Virtual Nails Test, BScan Virtual Chain Test and IEEE1149.6 Test* ToggleScan Test: *Advanced Test Technology that Combines with BScan and Vectorless Test Functions to Detect Pin Open or Short Issues* Tree Test Facilities with BGA Test: *Pattern Generator for Detection of Pin Opens for BGA / VLSI Chips*		
Weight		TR5001(D/Q) SII QDI: 510 kg (1124.36 lb lb) / TR5001(D/Q) SII INLINE: 670 kg (1477.1 lb)		

* The weight does not include notebook or accessories; final weight determined by system selected

Unit: mm (in.)



TR5001(D/Q) SII QDI



TR5001(D/Q) SII INLINE

Global Network

Nuremberg, Germany trieurope@tri.com.tw
San Jose, USA triusa@tri.com.tw
Tokyo, Japan trijp@tri.com.tw
Ansan, Korea trikr@tri.com.tw
Shenzhen, China shenzhen@cn.tri.com.tw
Suzhou, China suzhou@cn.tri.com.tw
Shanghai, China shanghai@cn.tri.com.tw
Penang, Malaysia trimy@tri.com.tw

HEADQUARTERS
7F., No.45, Dexing West Rd., Shilin Dist.,
Taipei City 11158, Taiwan
+886-2-2832-8918 Sales@tri.com.tw

TRI 德律 TRI INNOVATION®

© 2020 Test Research, Inc. All rights reserved
Specifications are subject to change.
All other trademarks are the property of their respective owners.

C-5001 SII LED-EN-2007

www.tri.com.tw