

TR5001V SII

MULTI CORE SERIES



- Multi-Core Parallel Test
- Reliable Vacuum Fixture Testing
- Non-Multiplexing 1:1 per Pin Architecture
- Scalable MDA to ICT and Functional Test
- High Accuracy and High Throughput
- Durable Quick Disconnection Interface

IN-CIRCUIT TESTER

General

	TR5001V SII	TR5001DV SII	TR5001QV SII
Multi-core/Single Core Test (Cores)	1	1, 2	1, 2, 4
Maximum Analog/Hybrid Test Points	3456	3328	4096
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/cm ² , air consumption: 20 liters/cycle		
Vacuum Requirement	min. -0.86 bar (-12.6 psi), exhaust: 25m ³ /h		
Fixture Type	Vacuum fixture with Quick Disconnection Interface		

Analog Hardware

Measurement Switching Matrix	6-wire measurement
Programmable Frequency	100 Hz, 1 kHz, 10 kHz, 100 kHz
Programmable DC Voltage Source	±10V max, resolution: 10 mV
Programmable DC Current Source	+100 mA max, resolution: 0.2 mA
Programmable AC Voltage Source	10 Vpp max, resolution: 10 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: 2.5 mV – 50 mV
DC Ammeter	1 µA – 100 mA; resolution: 30 nA – 30 µA

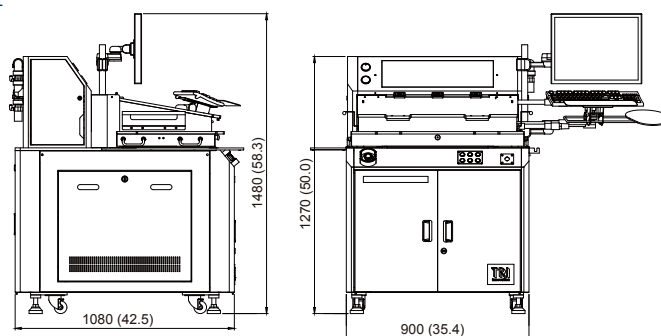
Optional Hardware

Analog Test	
TestJet Technology	Vectorless open circuit detection
Arbitrary Waveform Generator (AWG)	Frequency range 0 – 100 kHz; resolution: 0.15 Hz, BW: 100kHz 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 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 2 Channel programmable power 0.2 V – 3 V@2 A or 3 V – 24 V@3 A
APPS Programmable DUT Power Supply	75 V / 8 A max, 200 W maximum 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

Dimensions/Weight



Unit : mm (in.)

	TR5001V SII	TR5001DV SII	TR5001QV SII
Weight	350 (772 lbs)		370 kg (816 lbs)

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Headquarters

7F., No.45, Dexing West Rd.,
Shilin Dist., Taipei City
11158, Taiwan
TEL: +886-2-2832-8918
FAX: +886-2-2831-0567
E-Mail: sales@tri.com.tw
http://www.tri.com.tw

Linkou, Taiwan

No.256, Huaya 2nd Rd.,
Guishan Dist., Taoyuan
City 33383, Taiwan
TEL: +886-2-2832-8918
FAX: +886-3-328-6579

Hsinchu, Taiwan

7F., No.47, Guangming 6th
Rd., Zhubei City, Hsinchu
County 30268, Taiwan
TEL: +886-2-2832-8918
FAX: +886-3-553-9786

Shenzhen, China

5F.3, Guangxia Rd.,
Shang-mei-lin Area,
Fu-Tian Dist., Shenzhen,
Guangdong, 518049, China
TEL: +86-755-83112668
FAX: +86-755-83108177
E-mail: shenzhen@cn.tri.com.tw

Suzhou, China

B Unit, Building 4, 78 Xinglin St.,
Suzhou Industrial Park,
215123, China
TEL: +86-512-68250001
FAX: +86-512-68096639
E-mail: suzhou@cn.tri.com.tw

Shanghai, China

Room 6C, Building 14,
470 Guiping Rd., Xuhui Dist.,
Shanghai, 200233, China
TEL: +86-21-54270101
FAX: +86-21-64957923
E-mail: shanghai@cn.tri.com.tw

USA

832 Jury Court, Suite 4,
San Jose, CA 95112 U.S.A
TEL: +1-408-567-9898
FAX: +1-408-567-9288
E-mail: triusa@tri.com.tw

Europe

O'Brien Strasse 14
91126 Schwabach
Germany
TEL: +49-9122-631-2127
FAX: +49-9122-631-2147
E-mail: trieuropa@tri.com.tw

Japan

2-9-9 Midori, Sumida-ku,
Tokyo, 130-0021 Japan
TEL: +81-3-6273-0518
FAX: +81-3-6273-0519
E-mail: trijp@tri.com.tw

Korea

No.207 Daewoo-Technopia,
768-1 Wonsi-Dong, Danwon-Gu,
Ansan City, Gyeonggi-Do, Korea
TEL: +82-31-470-8858
FAX: +82-31-470-8859
E-mail: trikr@tri.com.tw

Malaysia

C11-1, Ground Floor, Lorong
Bayan Indah 3 Bay Avenue,
11900 Bayan Lepas Penang,
Malaysia
TEL: +604-6461171
E-mail: trimy@tri.com.tw