

TR518 SII SERIES



- **USB Interface**
- **2,560 Analog Test Points**
- **Improved Reliability, Accuracy & Testing Speed**
- Programmable Open/Short Threshold
- R/L/C/D Measurement
- 3-Point Capacitor Polarity Test
- Transistor, FET, SCR, and Photo Coupler Testing Modes
- Board View Function
- Auto Learning Program Generation
- Auto Guarding Points Selection
- PIN Contact Check Capability
- ATM with integrated DCB and ACB

**MANUFACTURING
DEFECTS ANALYZER**



General

Maximum Analog Test Points	TR518 SII 2,560 Points TR518L SII 3,456 Points
Can be used with a PC or Notebook	
Operation System	Microsoft® Windows 7
Power Requirement	100 — 240V Single phase, 50/60 Hz 500 VA
Air Requirement	Dry air 2.5 — 8 kg/cm ² ; Air consumption: 4 liters/cycle
Fixture Type	Press or vacuum
Optional	Control box

Analog Hardware

Measurement Switching Matrix	6-wire measurement
Programmable Frequency	100 Hz, 1 kHz, 10 kHz, 100 kHz
Programmable DC Voltage Source	±10 V maximum, resolution: 10 mV
Programmable DC Current Source	100 mA maximum
Programmable AC Voltage Source	10 Vpp maximum, resolution: 10 mV

Component Measurement Capability

Resistance	40 mohm — 40 Mohm
Capacitance	10 pF — 40 mF
Inductance	10 µH — 60 H

Guarding Capability

Automatic Guarding Point Selection	Up to 5 points per test step
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General Purpose Interface

16 channel I/O interface

Optional Hardware

Analog Testing

TestJet Technology for Vectorless open circuit detection

Programmable High Voltage DC Source Up to 100 V/100 mA

Dimensions/Weight

	TR518 SII	TR518L SII
Dimensions	(W) 1000 x (D) 900 x (H) 1667 - 1770 mm [(W) 39.4 x (D) 35.4 x (H) 65.6 - 69.7 in.]	(W) 482 x (D) 398 x (H) 378 mm [(W) 19.0 x (D) 15.7 x (H) 14.9 in.]
Rack	(W) 482 x (D) 310 x (H) 353 mm [(W) 19.0 x (D) 12.2 x (H) 13.9 in.]	(W) 482 x (D) 398 x (H) 378 mm [(W) 19.0 x (D) 15.7 x (H) 14.9 in.]
	(does not include notebook and accessories)	
Weight	220 kg (485 lbs)	230 kg (507 lbs)
Rack	9 - 30 kg (19.84 - 66.14 lbs)	18 - 46 kg (39.68 - 101.41 lbs)
	(does not include notebook or accessories; final weight determined by system selected)	

Powerful Software Environment

Microsoft® Windows 7 operating system software

User-friendly interface

Auto debug for all passive tests (shorts/opens, R/L/C components, clamping diodes, and TestJet)

Built-in system diagnostics

Test Coverage and C_{pk} reporting are standard

Multitude of data log output formats are available

Board View will visually highlight failures to device/pin/trace level

Board Revision software (1 program for multiple board versions)

Program Modification Report (Reports any changes to program after release)

Shop floor system support

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