

TINY SII INLINE SERIES

- Compact ICT for Small Boards up to 640 points
- Cost Effective Inline Platform
- Modular MDA/ICT/FCT Configuration
- Intelligent Board Handling for Damage Prevention
- Bypass conveyor for multiple inline testers



IN-CIRCUIT TESTER

General

Maximum Analog Test Points	640 points
Windows Compatible PC or Laptop with USB Ports	
Operating System	Microsoft® Windows 7
Power Requirements	200 – 240 VAC, Single phase, 50/60 Hz, 3 kVA
Inline Fixture	Manual insertion

PCB and Conveyor System

PCB Size	70 x 70 – 330 x 250 mm
PCB Thickness	0.6 – 5 mm
Component Height Limitations:	
Top Surface of Conveyor	60 mm
Bottom Surface of Conveyor	30 mm
Conveyor Height	890 – 1000 mm

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

Analog Measurement

AC Voltmeter	0 – 100 Vp
DC Voltmeter	0 – ±100 V, resolution: 2.5 mV – 50 mV
DC Ampmeter	1 µA – 100 mA, resolution: 30 nA – 30 µA

Optional Hardware

TestJet Technology	Vectorless open circuit detection
Programmable High Voltage DC Source	Up to 100 V/100 mA
Sine Wave Generator Frequency range	1 – 100 kHz, resolution: 1 Hz
Frequency Measurement	Up to 200 MHz
Board warp Sensor	
Serial Test Module (STM)	
Two Channels for Serial Testing up to 1 MHz with 16 Channels of General Purpose Digital I/O	
Boundary Scan Nail Connection Test (PISO/SIPO), Toggle Scan, SPI/I ² C and UART	
Programmable Voltage Level	Vih: 0.8 V – 4.6 V at Io=20 mA; Voh: 0.1 V – 4.9 V

Data Acquisition

Two-channel, 16 Bit 10 MSPS Flexible Arbitrary / DDS Waveform Generator	
Four-channel, 16 bit 3.8 MSPS Waveform Digitizer	
One-channel Frequency Generator	

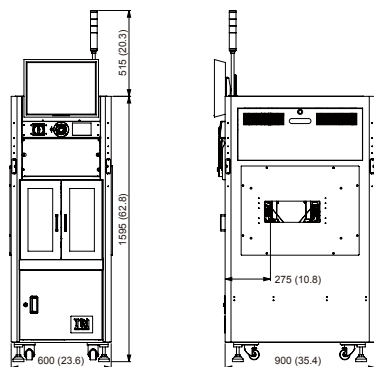
Audio Analyzer

24-bit Audio analyzer with SNR, THD and THD+N analysis

Digital Test Module

Four Programmable DUT Power Supplies	1 – 20 V, 0.6 – 2 A, 12 Watt, current measurement 100 µA – 2 A
Two Fixed 12V and -12V Power Supplies	0.3 A, current measurement 10 mA – 300 mA
Sixteen-channel General Purpose Digital I/O	

Dimensions/Weight



Unit: mm (in.) Weight: 340 kg

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TRI 德律 TRI INNOVATION

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