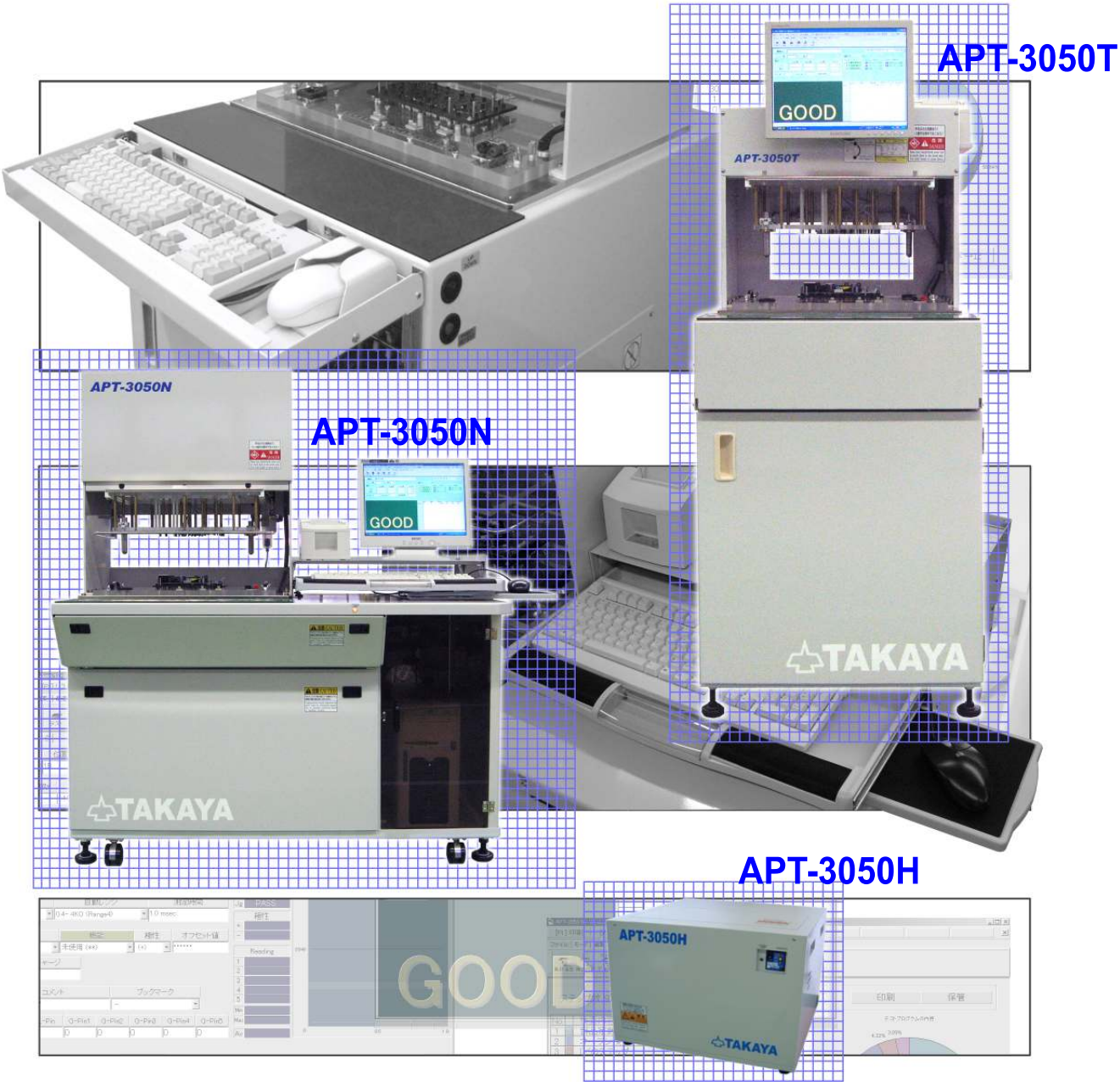
HIGH-GRADE IN-CIRCUIT TESTER

APT-3050 SERIES



The APT-3050 offers not only faster test speed and wide measurement coverage, but also its advanced technology (including Agilent TestJet Technology) enables detection of board assembly faults.

TAKAYA

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■HIGH SPEED & WIDE MEASUREMENT COVERAGE

●4-Wire Kelvin measurement (standard)

The measurement is not influenced by contact resistance of the probe pins so that the tester can detect misplacement of Fuses and low value resistances, and a shorts circuit fail across small inductance etc.

●Agilent TestJet Technology (option)

Agilent TestJet Technology is an available option that can conduct tests for IC's lifted leads.

●Fail detection

Accurate for Guarding and LCR phase-detection measurement can cancel the electrical influence from other peripheral circuits on the board under test.

■HIGH RELIABILITY

●Non-stress measurement

Measuring signals for testing LCR devices were limited to less than 0.3V for every measuring Mode and Range for safety. This does not cause any electric stress or damage to delicate devices being tested.

●Power discharge

Even if a high electric charge is present in the Capacitors etc. to be tested on your board, the system automatically discharge them before test. This helps prevent the measuring control unit from being damaged.

■OUTSTANDING FEATURES INCLUDE:

●Automatic and easy program generation (=ATG function)

The measuring condition as Mode, Range, Time and Guarding are automatically substituted in the test program. The system also has an Automatic Search and Data Conversion function.

●Measuring waveform

Measuring waveform can graphically illustrate the status of the measured value against the impressed time. This helps you debug the program with accuracy and ease.

●LCRD meter function

LCRD meter function assists your repair work and failure analysis.

■VERSATILE FUNCTION

●Pin number search

This function assists replacing and maintaining of the probe pins used on your test fixtures.

●Barcode management

This function contributes greatly to manage the board test and exchange the programs automatically.

●Automatic data back-up

This function helps protect your test data from elimination caused by an unexpected power cut etc.

■Main Specifications

Model	APT-3050	APT-3050T	APT-3050H
Test points	Standard 320 ~ Max. 1,024/2,048 (option)	Standard 320 ~ Max. 1,024	Standard 320 ~ Max. ,1024
Test steps	Max. 9,999step (option : 300,000step)		
Test speed	Short/Open test : 2s/1,024points (average) Component test : 4ms/step~		
Measuring signal	DC-CV, DC-CC, AC-CV		
Measuring range	Short/Open test : 1Ω ~ 40Ω programmable Low value resistance (4-wire Kelvin) : 40mΩ ~ 40Ω Resistors : 0.4Ω ~ 40MΩ Capacitors : 4pF ~ 40mF Inductors : 4μH ~ 400H Diodes/Transistors : 0.1V ~ 2.3V (VF) ZD diodes : 0.4V ~ 40V Transistors containing resistor : ON Check FET/Photo couplers : ON Check DC voltage : 0±40V IC lead open : Agilent TestJet Technology (option)		
Guarding	Max. 5points/step		
PASS/FAIL	-99% ~ +999%, less or more than assigned value, absolute value		
PCB size	Max. W410×D290×H100mm		
PC configuration	IBM PC/AT or compatible with HDD, 3.5" FDD		
OS	English DOS (option : Windows®XP)		
Monitor	15" LCD		
Printer	Thermal type		
Power source	AC100V, 120V, 200V, 220V, 240V±10% (50/60Hz) 1KVA		
Air source	0.5 ~ 0.8MPa (dry & clean air)		
Operational condition	Temperature 10℃ ~ 30℃ Humidity 35% ~ 75% (no condensation)		
Outer dimension	W1,140×D700×H1,405mm	W610×D750×H1,575mm	W550×D550×H400mm
Main features	Automatic data generation (ATG), Fail map, Group test function, Fail accumulation & statistics function, Self diagnostic function etc..		
Option	Agilent TestJet Technology, Area sensor, Extension I/O card, Pass stamp, One-touch joint		

※ Agilent TestJet Technology is a registered trademark of Agilent Technplogies, Inc. (U.S.Patent #5,254,953)
※ MS-DOS, Windows®XP is a registered trademark of Microsoft Corporation.
※ Specifications are subject to change without any obligation on the part of the manufacturer.

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