Since 1980 ALL Data is specialized in the research of the most suitable products, systems, solutions to solve even the most demanding and emerging technological needs of its customer. ALL data aim is to act as value added partner, not as ordinary supplier.

- System Integration
- Test programs development & conversion
- R&D specialized service
- Prototype production
- Noise & vibration test
- Real space acoustic analysis
- Modal analysis
- Corrosion test
- Calibration
- Instruments renting and leasing
4.0 BOARD & SYSTEM TESTER

Flying probe & In-circuit scalable solution, double sided system with up to 22 closed loop flying probes, ±0.1 micron resolution, programmable, electrical test capabilities including analog, digital, mixed signal, boundary scan, optical, thermal inspection, reverse engineering.

Board DfT & test coverage analysers, test coverage estimation and coverage measurement. Quality & electronic assembly repair management system.

AOI predictive solution based on Artificial Intelligence, patented optical head with high resolution and high precision. Extremely reduced programming time. Modern SW based on modularity.

ATE for testing, troubleshooting, repair of PCBs, for MIL-AERO, transportation, support & maintenance of electronic equipment for mission critical applications.

Test systems for quality assurance in electronics production New methods to make testable what seems untestable. Innovative Flying Probers, very latest generation in-circuit testers.

Tools for in-system programming of Flash & programmable logics; board & systems tests, integration with major ATE manufactures; system debug, PCB prototype verification, production, maintenance.

AOI ATE for SMT, DIP, LED, Touch Panel. First Article Inspection (FAI) AOI plus automatic probing RC measurements up to 01005 (Imperial).

Protocol Decode, and PHY layer testing solutions on T&M equipment. Implementation of Innovative & comprehensive protocol codecs as well as PHY layer testing solutions that span the serial data, telecom, automotive, and defense electronics segments.

Fastest ICT functional platforms for the latest PCBA needs in automotive, industrial, computing, consumer, MIL. Structural & functional test to cover defects for analog, digital, mixed-signal devices.

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## DAQ

High-precision measurement & control systems, with excellent resistance to thermal and EMC influences. Robust design for operation in demanding environments. MTBF of more than 20 years.


Isolation amplifiers, transmitters, modules, indicators, process analytics, lab products, sensors.

Complete solutions for noise & vibration measurement, analysis & reporting, continuous DAQ, signal analysis, process monitoring.

High accuracy, time synchronized DAQ for strain gauges, thermocouples, thermo resistances, voltages, currents.

## METROLOGY

Solutions for temperature measurements & calibrations, precise thermometer readouts with accuracy in mK range, reference resistors, specialised equipment for metrology institutes.


Air data test sets, pressure & vacuum, temperature calibrators, torque and force calibrators. Tachometer testers. Test chambers, instrument cleaning & contamination prevention, test hoses, adapters.

Multifunction, multiproduct, electrical test equipment calibrators, high accuracy digital multimeters, AC/DC shunts. Decade resistances, DC voltage standards, frequency source & measurement GPS standard.

## AC/D C POWER BATTERY & EV TESTERS & SIMULATORS

In line automatic battery tester using flying probes technology.

Aircraft GPU, aircraft power supplies, aircraft ground power test loads & battery charge-discharge equipment. Electrical safety, power analyzers, programmable AC, DC power supplies, loads.

Linear and power amps AC audio and ultrasound ranges (5 Hz to 800 kHz), for general & special industry, military agencies, universities and research institutions.

Programmable power supplies AC/DC from 240 W to 1 MW, AC/AC+DC from 250 VA to 800 kVA, programmable loads DC and AC. Solar panel simulator systems and regenerative AC/DC converters.

AC, DC power supplies & loads, EEV, power battery, fuel cell, power semiconductor, photovoltaic, electrical component test, general test equipment.

E-motor emulators, DC charging pile test systems, bidirectional power supplies, regenerative DC power supplies loads, grid simulators.

Modular, upgradeable, programmable battery testers.

Multi channels, reliable, high accuracy, complementary software. Models for battery manufacturing factories and R&D institutes.

Programmable & fixed DC&AC power supplies, grid simulators, 400 Hz power supply/ground power, regenerative AC power sources and UPS & voltage regulators, regenerative AC loads.

DC/DC 500 W - 100 KW converters, DC/AC inverters, AC/AC power supplies, DC loads, frequency modifier AC/AC, “ruggedized” UPS. Redundant/fault tolerant modular power solutions, hot bus.

600 W DC programmable compact benchtop LXI, 1500 W DC HIGH density programmable custom power supplies for medical, industrial, military, telecommunications, semiconductor and labs.

## ACoustiC

5 digital cameras & 64 microphones sphere, SW for capture & reproduction of omni directional sound image, detection & measurement of causes of noise in cars, airplanes, helicopters, theatres, buildings.

Membrane-free optical microphones designed for measurements in air as well as in liquids. Smart data acquisition systems process the acoustic signal into a meaningful format.

## TOOLS

Test & measurement equipments, PSU DC, soldering stations, rework stations.

Digital LCR meter in a set of tweezers for identifying, measuring, testing, troubleshooting surface mounted devices (SMD) and trough hole.


## T&M CONNECTORS

Rugged & high performance modular interface solutions to provide a reliable interconnection for ATE with options to maximise the performance potential of all popular instrument platforms.
For more than 45 years, your value added partner providing the best in class technology!