



ABI Electronics

Test & Measurement Systems

EXTENDING THE LIFE OF YOUR PCBs SINCE 1983



WELCOME TO ABI

ABI Electronics offers unique time-saving and flexible products which are used by companies operating in a wide range of sectors. ABI's fully integrated hardware and software solutions allow our customers to take control over their electronic maintenance requirements, automate quality tests on new products and generate schematics for legacy equipment.



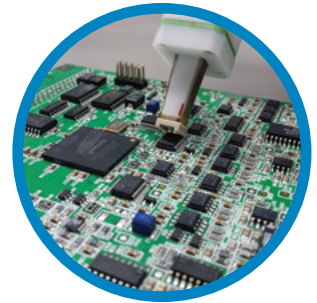
MANUFACTURING



MASS TRANSIT



ARMED FORCES



MAINTENANCE



AEROSPACE



OIL & GAS



AUTOMOTIVE



EDUCATION

ABOUT US

ABI Electronics has designed and manufactured high quality test, diagnostic and measurement instrumentation in the UK since 1983. ABI's range of products are commonly used in the test and maintenance of highly complex systems across a variety of industries and applications worldwide. Customers choose ABI products for their flexibility, affordability and time-saving features.

The company founders developed the world's first low cost test solution for integrated circuits that turned into a great success amongst engineers in the UK and abroad.

ABI has now over 40 years experience of developing the highest quality testing and fault-finding equipment, backed by a global reputation for quality and service. It is also certified in accordance with ISO 9001-2018.

Over all these years, ABI has remained loyal to its principle of full design and build high quality products in the UK.



CHANGING VALUES & BEHAVIOUR IN THE INDUSTRY

Created in 2015, ABI's initiative '**Repair, don't waste**' has become a global movement aimed at increasing awareness to the benefits of industrial electronics repair over replace across the business spectrum. The "Repair, don't waste" movement has reduced waste, downtime and created quality job opportunities around the world.



WHAT CUSTOMERS SAY

"We are proud to join the #RepairDontWaste community." The whole world stands to profit massively from industrial electronics being kept going for longer.



Join the **#RepairDontWaste** community and keep up to date with our latest news.

Find out more at **RepairDontWaste.com**



THE EQUIPMENT | OUT-OF-CIRCUIT IC TESTERS

ABI's popular handheld solutions for the functional test of digital and analogue devices out-of-circuit.

KEY FEATURES

- FUNCTIONAL TESTS FROM INTERNAL LIBRARY
- CONDITIONAL LOOP TESTS FOR INTERMITTENT FAULTS
- IC IDENTIFICATION FOR UNKNOWN COMPONENTS
- FUNCTIONAL TEST PROGRAM GENERATOR (ON PC)
- POWERED WITH BATTERIES OR USB

State of the Art Technology

Very large scale integration allows advanced functionality and ease of use to be combined in the Compact Professional Range's hand-held, battery operated units. The 2 line x 16 character dot matrix LCD shows the result of the test as 'PASS' or 'FAIL' together with individual device pin diagnostics, test mode and possible equivalents.

Extensive Built-in Test Libraries

The LinearMaster Compact Professional includes all common analogue ICs including op-amps, comparators, voltage regulators, voltage references, analogue switches & multiplexers, optoisolators & couplers and audio ICs.

The ChipMaster Compact Professional includes a broad range of TTL, CMOS, memory, LSI, interface and other devices of up to 40 pins.



SOIC Adapter

Compactlink (optional)

Functional IC test generating software for Compact Professional Range A PC based software package that allows users to add new devices to the library and create functional tests to suit special applications.

Compactlink uses PremierLink IC Programming (PLIP), a high-level descriptive test programming language optimised for generation of both analogue and digital IC tests programmes. Connection to PC via USB.

LinearMaster Compact Professional

HANDHELD LINEAR IC TESTER

Comprehensive Test

The LinearMaster Compact Professional emulates passive circuitry around the device under test to ensure that a comprehensive test takes place. High integrity verification offers guaranteed levels of reliability in the results. Conditional and unconditional loop testing modes ensure that intermittent and/or temperature related faults are detected.

Auto Identification

The LinearMaster Compact Professional automatically senses the functionality of the device to be tested and displays a list of possible equivalents for replacement. Unmarked and house-coded ICs are easily identified and tested.

As part of the IC test, the specific IC number, the functional description of the device and the status of faulty pins are scrolled through on the built-in display.



- ▶ Auto identification mode identifies unmarked/house-coded devices listing possible replacements
- ▶ Conditional/unconditional loop testing mode
- ▶ Functional test unit emulates passive circuitry to implement a comprehensive test in a variety of configurations and gain settings
- ▶ Displays diagnostic information down to individual component pins
- ▶ Rugged, hand-held, ergonomically designed case incorporates built-in membrane keypad, 2 x 16 dot matrix alphanumeric LCD and high quality 16 pin ZIF socket
- ▶ Battery operated (4 x AA) with low power design, auto power-down function
- ▶ Mains adapter available

ChipMaster Compact Professional HANDHELD LINEAR IC TESTER

Intermittent Fault Detection

The ChipMaster Compact Professional is able to locate intermittent and temperature related faults by using its unconditional or conditional loop testing modes, saving hours of valuable time.

Unknown Device Identification

By simply selecting 'Search' from the menu, selecting the number of pins on the device and activating Search Mode the ChipMaster Compact Professional will search its library and identify the device, displaying possible functional equivalents for replacement.

As part of the IC test, the specific IC number, the functional description of the device and the status of faulty pins are scrolled through on the built-in display.

- ▶ Comprehensive device library covers almost all TTL, CMOS, Memory and Interface devices
- ▶ 40 pin capability (NANO gates to CPUs)
- ▶ Identifies unmarked and house-coded devices
- ▶ Detects intermittent and temperature related faults
- ▶ Displays diagnostic information for individual pins
- ▶ Battery operated (4 x AA) with low power design, auto power-down function
- ▶ Mains adapter available



OUR CLIENTS

ABI products are used all over the world by companies operating from railway, automotive, aerospace and heavy industry to armed forces, industrial maintenance and education.



SUPPORT

We are here to help!

Customer service is part of our commitment to continued quality and product development. We always strive to provide quick and efficient support to our customers worldwide. Service, maintenance and upgrades are available for our range of products as well as customised solutions to suit special requirements.

Tech Support

Direct access available to technical support from ABI's engineering team based in the UK and from our global distributors.



Global reputation for quality and service

ABI Electronics is certified in accordance with ISO 9001-2018. The system is based on an ongoing commitment to quality, professional fulfillment of duties and constant expansion and development.



Certificate n°: 3133



Upgrades

Stay current with free upgrades to software and maintenance releases.



ABI Training and Certification

We are also committed to meeting every customer's training needs. We offer a range of training courses, complete with hands-on opportunities, which can be delivered in house or on-site.



CONTACT US!



+44 (0) 1226 207 420



Dodworth Business Park
Barnsley, S75 3SP
United Kingdom



www.abielectronics.co.uk

