



***Time Electronics***  
*Calibration, Test and Measurement*

START

# ABOUT US

Established in 1967 Time Electronics Ltd is a British company that designs and manufactures calibration and metrology instrumentation. We have a comprehensive range of test equipment for use in applications across various industries. Products include decade boxes, portable and benchtop calibrators, DMMs, and custom-made test benches.

Time Electronics' headquarters is based in Tonbridge, Kent, in the United Kingdom, situated 30 miles south of London and occupies 10,000 sq ft of factory and office space. Time Electronics also has sales offices in New York (USA), Dubai (UAE), and Moscow (Russia), Shah Alam (Malaysia).

During our 45 years of continuous development we have built strong business relationships and a wealth of engineering experience. We have a global distribution network, and are represented by companies with strong technical work staffs and highly skilled engineers.

Quality is an integral part of our company philosophy. In addition to building accurate and durable products we provide extensive customer support. This has given us a valuable reputation with organisations worldwide and is one reason for our continued success in the trading market. Time Electronics is accredited to ISO 9001:2008.



# HISTORY



**1967**

Founded by Charles Bailey in Orpington, Kent, UK. Early products included the resistance decade boxes. Primary focus on supplying instruments to the electronics and research & design industries.



**1970s**

Continuous improvement and company growth. The product range expanded with portable calibrators and sources. Larger benchtop models also added to the line to cover high voltage and current applications.



**1980s**

The company moved to the current factory in Tonbridge, Kent. Advancements in dedicated calibration systems & software. Sources, simulators, & DMM's integrated into automated test systems of manufacturers worldwide.



# HISTORY



## 1990s

The introduction of state of the art multifunction calibrators. EasyCal software used for calibrator communication and control. Software also offering calibration management and administration features.



## 2000s

Time Electronics expanded the range to incorporate pressure instrumentation. Test benches covering virtually all calibration parameters are manufactured. Offices opened in Russia and USA.



## PRESENT

In 2012 Time Electronics Ltd celebrated 45 years of business. New office opened in Dubai to serve Middle East & North Africa. Turnkey calibration laboratories designed, supplied and installed for customers worldwide.



# INDUSTRIES



*Delivering precision test and measurement instruments to industries worldwide since 1967*

Time Electronics products are used for various applications in industries worldwide:

Aerospace	Power Generation	Transport	Refineries	Medical
Petrochemical	Manufacturing	Chemical	Military/Defence	Research/Development
Pharmaceuticals	Nuclear	Aeronautics	Shipping	Process Control
Telecommunications	Automotive	Metrology	Education	Automation





# CUSTOMERS



With a wide range of products Time Electronics has a broad customer base that spans global industries. Shown here are some of our well known customers.

In addition to these we supply instruments to smaller test facilities and calibration labs, and to larger government agencies and defense sectors.

We are also prominent suppliers to educational institutes and engineer training centres worldwide.

Whether supplying a single decade box or turnkey calibration lab we provide ongoing support and service to all our customers. Being a small and specialist company enables us to react quickly to customer requirements and ensure end users are maximizing their usage of our instruments.



# KEY POINTS



Time Electronics Ltd

## Mission Statement

*Our aim is to provide precision calibration, test and measurement instruments to customers and industries worldwide. We pride ourselves on delivering products that combine accuracy, durability and ease of use for their required applications.*

- UK manufacturer of precision T&M and metrology instruments
- Privately owned, small business with 30 employees
- Founded in 1967 by Charles Bailey
- Sales/Service offices in New York, Moscow, and Dubai
- Representation in over 100 countries
- Key markets: Europe, Middle East, Africa, Asia, USA
- Majority export sales
- Accredited to ISO 9001:2008
- Based in Tonbridge, Kent, 30 miles south of London



# KEY PERSONNEL



Time Electronics Ltd

## Offices

- UK - Time Electronics Head Office
- Moscow - Time Electronics Russia
- New York - Time Electronics USA
- Dubai - Time Electronics MENA (Middle East & North Africa)

## United Kingdom: Manufacturing and Head Office

- Managing Director - Martin Bailey
- Sales and Marketing Director - Robert Bailey
- Head of Engineering - Edward Gibbins
- General Manager/Purchasing - Peter Hickey
- QA Manager - Brian Day
- Sales Order Processing - Jan Carter
- Sales Enquiries - Elaine Humble
- Accounts - Sandra Newby





# PRODUCTS



## Overview of Time Electronics Products

- Portable voltage and current calibrators, simulators, and sources for lab or field use.
- Resistance, inductance, and capacitance decade boxes for industry and education.
- Wide workload multifunction calibrators covering various instruments and devices.
- Process and pressure calibrators, test pumps and gauge for site calibration work.
- Precision benchtop digital multimeters for measuring different parameters.
- Programmable calibrators and sources for incorporation in automated test systems.
- Electrical test calibrators for RCD, loop, insulation, earth testers & multifunction installation testers.
- Calibration software to automate and optimise the calibration process.
- Multi-purpose calibration benches for on-site test facilities, training centres and labs.



# DECADE BOXES



## MODELS

- Resistance
- Capacitance
- Inductance

## APPLICATIONS

- Wheatstone bridge measurement
- Shunt measurement trimming
- Instrument calibration and test
- PRT & PT100 simulation

## USERS

- Electronic R&D engineers
- Calibration technicians
- Education
- Scientific research

## BENEFITS

- Ergonomic design
- High accuracy
- Excellent stability
- Simple operation
- Rugged & durable



# PORTABLE VOLTAGE and CURRENT INSTRUMENTS



## MODELS

- Voltage Sources, Simulators, Calibrators
- Current Sources, Simulators, Calibrators
- Multifunction Voltage & Current Calibrators

## APPLICATIONS

- Low power circuit test and verification
- Process instrumentation calibration
- Loop control injection and measurement

## USERS

- Electronic engineers
- Calibration technicians
- Process control engineers
- R&D technicians
- Service engineers

## BENEFITS

- High accuracy
- Simple operation
- Compact & durable
- Multi-purpose



# PORTABLE PROCESS INSTRUMENTS



## MODELS

- Loop Calibrators & Sources
- Temperature Simulators & Calibrators
- Multifunction Process Calibrators



## APPLICATIONS

- Process instrumentation calibration
- Loop control injection and measurement
- Temperature calibration, RTDs, PT100 simulation



## USERS

- Calibration technicians
- Process control engineers
- R&D technicians
- Scientific research



## BENEFITS

- High accuracy
- Simple operation
- Compact & durable
- Multi-purpose



# PRESSURE INSTRUMENTATION



## MODELS

- Portable calibrators
- Hand pumps
- Benchtop pressure pumps
- Digital pressure gauges



## APPLICATIONS

- Pressure instrumentation & device calibration
- High accuracy pressure generation
- Field pressure calibration and checking
- Precision pressure measurement



## USERS

- Calibration technicians
- Process plant engineers
- Field technicians
- Oil & Gas companies



## BENEFITS

- Pneumatic & hydraulic
- High accuracy
- Simple operation
- Durable for field & lab
- Calibrators with loop current measure



# ELECTRICAL TEST CALIBRATORS



## MODELS

- Electrical tester calibrator
- Field calibrators for insulation testers
- Ductor tester & micro-ohmmeter calibrator
- PAT calibrator

## APPLICATIONS

- Calibrate RCD, loop, insulation, earth testers.
- Calibrate micro-ohmmeters
- Calibrate meg-ohmmeters
- Portable appliance tester calibration

## USERS

- Electrical test engineers
- Calibration laboratories
- Maintenance engineers
- Quality technicians

## BENEFITS

- Multi-purpose
- Lab and portable models
- High accuracy
- Simple operation





# PRECISION CALIBRATORS and DMMs



## MODELS

- Task specific calibrators  
Voltage, current, power,  
resistance, temperature,  
frequency
- AC & DC power  
sources (for ATE)
- 6.5 & 7.5 digit bench  
multimeters

## APPLICATIONS

- Laboratory calibration
- Signal injection into  
automated test systems
- Precision measurement
- Repair and maintenance

## USERS

- Calibration technicians
- Automation
- Manufacturers
- R&D technicians
- Maintenance engineers

## BENEFITS

- High accuracy
- Programmable
- Job specific or  
multifunction models
- EasyCal software  
compatible



# MULTIFUNCTION CALIBRATORS



## MODELS

- Multi product calibrators
- Combined calibrator with internal DMM & PC
- Entry level to precision models

## APPLICATIONS

- Laboratory calibration DMMs, oscilloscopes, clamp meters and more
- Signal injection into automated test systems
- Repair and maintenance

## USERS

- Calibration labs
- Automation (ATE rigs)
- Manufacturers
- R&D departments

## BENEFITS

- Wide workload coverage
- High accuracy
- Fast calibrations
- Expandable systems
- EasyCal software compatible



# CALBRATION BENCHES



## ABOUT

**CalBench** is a custom built work station for industrial test facilities & calibration labs.

A wide range of modules for calibration of electrical, pressure, temperature, and loop are available.

## APPLICATIONS

- Comprehensive calibration of multiple devices & instruments
- Electrical, process, pressure and more
- Repair and maintenance
- Engineer training

## USERS

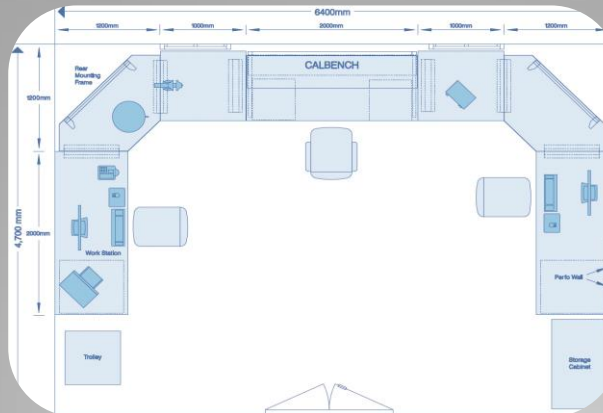
- Calibration technicians
- Oil & gas, mining, power generation, process.
- Universities & schools
- Engineer training centres

## BENEFITS

- Custom made
- Multi calibration
- Single workstation
- Wide range of modules to select from
- Turnkey lab design & supply available



# TURNKEY LAB DESIGN



## ABOUT

Turnkey design and supply service for customers requiring an efficient and ergonomic on-site calibration laboratory.

Hardware and software used to create a complete calibration program.

## APPLICATIONS

- Comprehensive calibration of multiple devices & instruments
- Designed to optimise the calibration process
- Incorporates customer specified workstations

# USERS

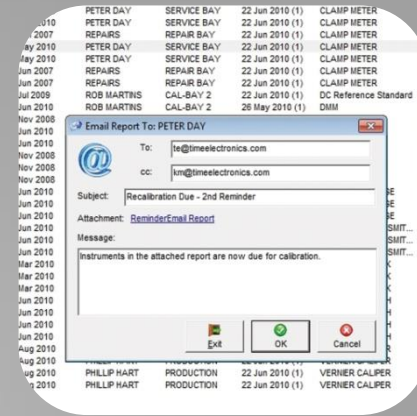
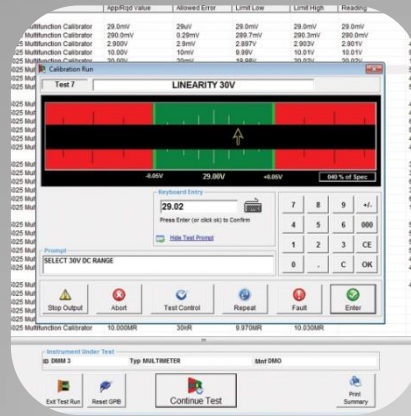
- On-site test facilities
- Oil & gas, mining, power generation, process.
- Refineries
- Offshore platforms
- Calibration labs

## BENEFITS

- Customer specific
- Multi calibration
- Supplied, installed & commissioned
- Automated calibration
- EasyCal & CalBench for universal calibration



# EASYCAL CALIBRATION SOFTWARE



## ABOUT

EasyCal is a complete software package with features covering all aspects of calibration work and management. It is designed to reduce workload, improve efficiency, & provide the platform for companies looking to create and sustain an effective calibration program.

## CAL FEATURES

- Communicate with TE calibrators & DMMs
- 1200+ pre-written test procedures included
- For use with multiple devices and instruments
- Easy to use templates & wizards

## ADMIN FEATURES

- Automated planning & scheduling
- Print/email/store certificates and reports
- Calibration due reminder system
- Customise reports/certificates

## BENEFITS

- Reduce testing times
- Automated document control
- Maintain repeatability
- Monitor quality
- Improve turnaround & efficiency



# CONTACT US



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THANK YOU