



# NEWS

From Wayne Kerr  
Electronics

Issue 053

## ***"Another World Beating Product"***



**Wayne Kerr Electronics is proud to introduce three new Precision Impedance Analyzers:**

**6520A: 1kHz – 15MHz**

**6530A: 1kHz – 50MHz**

**6540A: 1kHz – 120MHz**

All three models have 0.05% basic accuracy, making them best in their class.

High frequency impedance measurements allow precise component characterisation. Rapid measurement speed and comprehensive measurement functions make these units extremely powerful. An intuitive user interface and large TFT touch screen make them simple and quick to use.

Users include designers of passive components, testers of dielectric materials and those responsible for manufacturing test.

### **CAN WE BUY YOUR OLD WAYNE KERR UNITS?**

If you own an existing Wayne Kerr LCR Meter (any condition - any model), then when you place an order for any new Wayne Kerr LCR Meter and return your existing unit to us, we will discount your new order by 10%, including accessories.

For example, if you order a new 6430B Precision Component Analyzer for £3,760, and return an old Wayne Kerr LCR Meter, we will discount your order by £376 to only £3,384.

If you order 2 new LCR Meters, and return 2 old ones, then both new LCR Meters will be discounted by 10%

If you have an old B905 or 6425, why not think about buying a new 6430B or 6440B Precision Component Analyzer.

If you have an old 3245, why not think about buying a new 3255B Inductance Analyzer or 3260B Precision Magnetics Analyzer

**LEASE OPTION  
A NEW 3260B PRECISION  
MAGNETICS ANALYZER  
CAN BE LEASED FOR LESS  
THAN £10 PER DAY**

### **WHAT'S AROUND THE CORNER?**

*Ian Page, one of our Senior Engineers, looks at what's coming next:*

"Our future products will be capable of testing a wider range of applications. They will have increased functionality which will improve their flexibility to meet user requirements. A single model will have a wide variety of different uses. I can also see more application-specific products being launched to solve problems in certain niche areas of component testing"

**STOP PRESS!  
WAYNE KERR FORM NEW  
MARKETING TEAM  
- SEE BACK PAGE**

### **WAYNE KERR HOTLINE**

If you have any questions about quotations or buying from Wayne Kerr, please contact Elaine Carter, our Sales Office Manager, on:

+44 (0)1243 792200



## WHAT'S YOUR APPLICATION? WE CAN HELP YOU.

### Do you design, make or test wound components?

- If you want to measure inductance down to 0.1% basic accuracy and up to 1MHz
- Fast measurement speed - up to 20 measurements per second
- Up to 125A DC bias current (with 3265B DC bias units)
- Comprehensive measurement functions

*You need our 3255B Inductance Analyzer*

### Do you design, make or test transformers?

- If you want to measure inductance down to 0.1% basic accuracy
- Measure turns ratio on your transformer
- Measure components at frequencies between 20Hz and 3MHz
- Need fast measurement speeds
- Up to 125A DC bias current (with 3265B DC bias units)
- Leakage test measurements

*You need our 3260B Precision Magnetics Analyzer*

### Do you need up to 125A of DC bias current?

- If you want to apply DC bias current between 25mA and 125A in steps of 25mA
- Do you design, make or test SMD inductors and chokes
- Enhance the usability of the Wayne Kerr 3255B Inductance Analyzer & 3260B Precision Magnetics Analyzer
- One DC Bias Unit can deliver up to 25 A of DC bias current.
- Five Units can deliver currents up to 125 A.
- DC Bias Fixture model 1009 allows accurate and safe testing of SMD inductors

*You need our 3265B DC Bias Unit*

### Do you need to make impedance measurements at 120MHz?

- If you want to make impedance measurements between 1kHz and 120MHz
- A wide variety of impedance parameters can be measured
- Basic measurement accuracy of 0.05%
- Very fast measurement speeds with comprehensive measurement functions
- Large TFT touch screen with an intuitive user interface

*You need one of our 6500 Precision Impedance Analyzers*

### Do you design, make or test capacitors?

- If you want 0.02% basic accuracy, fast measurement speed and comprehensive measurement functions
- Fast automatic capacitor testing to 500kHz (6430B) or 3MHz (6440B)
- High accuracy on dissipation factor
- Graphical sweep against frequency on all measurements

*You need our 6430B or 6440B Precision Component Analyzer*

## PROFITS ARE MADE FROM USE, NOT FROM OWNERSHIP

You may well get a great deal of personal satisfaction from owning that beautiful antique grandfather clock or a tiny weekend cottage in the countryside. Both of these will certainly accrue in value over time and probably increase your enjoyment as time goes by.

This surely cannot be true of that machine spewing out components at the back of your factory. Production plant has only one purpose, to produce product, to increase throughput! It does not matter what it looks like - you certainly don't have to own it. Why do many companies still spend valuable capital or overdraft facilities on purchasing capital equipment which begins to devalue the day it is installed.

Keep your capital or bank facilities for investing in your freehold assets, developing valuable staff or for helping you through a tough trading period.

Leasing equipment makes sense. No need to use your capital (or pay interest on overdrafts). Spread the cost over three trading years instead of one. You don't have to wait to install the latest technology and you gain valuable tax concessions.

The next time you need new instrumentation ask our sales office to quote lease terms. You may be surprised how little it costs.

## PRODUCTS THAT WORK AND KEEP WORKING



*"I have been amazed at the small number of warranty returns since I joined Wayne Kerr last year"*

*Des Piper, Service Dept*



## CAMBRIDGE CAPACITORS: A CASEBOOK SUCCESS STORY

It is no accident that Cambridge Capacitors Limited is the biggest manufacturer of metallised polypropylene capacitors and power electronic capacitor assemblies in the UK. Innovative design and investment in manufacture have ensured that the company has left its competitors trailing in recent years.

production system that has “run for years”.

“We only use top Bridges” says Martin Tree, who is convinced that the company’s insistence on using only the very best equipment in production and quality control has secured large ongoing contracts for Cambridge Capacitors. Network Rail places

The quality of a Cambridge Capacitors’ product is designed and built in from conception and through all stages of production and test. Its pedigree is based on continuous experience of capacitor manufacture for more than half a century. This background, coupled with specialised systems of design, manufacture and quality control, has enabled its manufacturing site to achieve the Quality Systems Standard BS EN ISO 9001:2000.

As with all quality electrical/electronic products, performance and reliability is determined not only by good design, but also by stringent monitoring of raw materials, rigid process controls and extensive test and assessment facilities.

The company prides itself on the standards that have been achieved in all the key areas of design and production. This has been recognised internationally by the major test authorities.

Cambridge Capacitors has 30 Wayne Kerr Systems, some of them old B905 models that have been in use for many years. A replacement programme is underway to install new 6430B units, as the demand grows in the production areas to meet the forecasted growth of this highly successful organisation in the future.



***“Maintaining consistent high quality has been the key to our growth” Martin Tree, Works Manager***

Cambridge Capacitors Limited was formed in 1989 by merging PED Capacitors Limited and RIC Limited to become one company. Their combined experience, accumulated over more than 60 years, makes the company the largest and most experienced technical, manufacturing and marketing organisation in its field in Europe.

The company is recognised worldwide as an authority in the technology of metallised polypropylene capacitors. From its base, in the South of England, Cambridge Capacitors Ltd has become the major supplier of motor and lighting capacitors in the UK.

60% of the company’s £10M output goes to export markets, through a network of agents in over 40 countries around the world. To support this ongoing growth Cambridge Capacitors has three associated manufacturing sites in Italy, a film manufacturing company in Germany and the extensive plant in the UK. An indication of the demand for the company’s products is the existence of a three shift, 24 hour

considerable business with the company and with the current emphasis on safety, Martin Tree insists that all Network Rail projects must be tested on 6430 Wayne Kerr Bridges.



***“Safety is paramount so I insist on Wayne Kerr Bridges”***

## WAYNE KERR LAUNCHES ITS NEW MARKETING TEAM

From left to right:

Bill Griffiths  
Business Development Manager

Elaine Carter  
Sales Office Manager

Henry Campbell  
Global Service Manager

John Johnson  
Sales & Marketing Director

Richard Paddington  
Technical Support Team

Helen Swain  
Deputy Sales Office Manager



John Johnson, our new Sales & Marketing Director, joined the company again in June. He previously worked in both the Instruments and ATE Divisions of the company. He has travelled extensively, including 2½ years based in the USA.

Helen Swain is the newest addition to the company, and is based in the Sales Office. She has a background in Marketing and Purchasing.

Elaine Carter heads up our Sales & Administration Office. She will be familiar to many of our customers and distributors.

Henry Campbell has a wide and experienced background as a test engineer. He has now been appointed Global Service Manager and is responsible for ensuring that Wayne Kerr has local service resources for our customers throughout the world.

Richard Paddington is in charge of the Technical Support Team within the organisation. His role is to ensure that any technical queries from customers or distributors are dealt with effectively.

Bill Griffiths has been with the company for 9 years. He will be concentrating on developing new markets and products world-wide.

### WANT TO TEST YOUR PASSIVES FASTER AND MORE ACCURATELY? THEN WE SHOULD TALK.

Wayne Kerr Electronics was founded in 1946 and our core business ever since has been the testing of passive components. We have made many types of Bridges (aka LCR Meters) in the last 59 years and these days we feel we know quite a lot about how to test passive components.

Chances are, if your business involves designing, making or testing passive components, then we will be able to help you. Whether the challenge is to improve your accuracy, increase your measurement speed, reduce your cost of ownership, or even all three, we probably have a solution for you.

#### CONTACT DETAILS

WAYNE KERR HOTLINE: +44 (0)1243 792 200

E-MAIL: [sales@waynekerr.info](mailto:sales@waynekerr.info)

WEBSITE: [www.waynekerrtest.com](http://www.waynekerrtest.com)



#### SERVICE TIP

Advice from Henry Campbell, our Global Service Manager, who has many years of experience testing and servicing Wayne Kerr products:

*"Take some pride in your bridge and keep it clean and presentable. If you treat it this way, so will others. Regular calibration (we recommend every 12 months) and routine maintenance will keep your unit working longer and more reliably.*

*You can find routine maintenance procedures in your Wayne Kerr User Manual."*