



Industrial catalogue 2010



HV Insulation Testers

The latest 5kV & 10kV insulation resistance testers from the major manufacturers.

[Page 2](#)

A range of High Voltage Industrial test equipment available from Cuthbertson Laird Group. We are authorised distributors for Megger, T&R, Programma, Metrohm and HV Instruments.

This pdf catalogue contains only a small sample of the test equipment we are able to supply. Please see our website for a more comprehensive list.



Transformer Testing

A selection of TTR testers and Oil Test Sets up to 100kV.

[Page 6](#)



Protection Testing

A selection of test equipment from Programma and Megger.

[Page 3](#)



Battery Testing

Determine the health of lead acid cells using testers from Megger and Programma.

[Page 5](#)



Earth / Ground Resistance

Covers the testing of earth electrodes and the measurement of soil resistivity.

[Page 10](#)



HV AC/DC Test Systems

For the testing of insulation systems and tests on cable and jointing systems.

[Page 7](#)



Low Resistance Ohmmeter

Used to measure the electrical resistance of a conductor at very low resistances.

[Page 8](#)

WELCOME TO OUR INTERACTIVE INDUSTRIAL CATALOGUE

The Cuthbertson Laird Group have produced this interactive catalogue to allow you to view a selection of the products available from ourselves for industrial applications from the convenience of your desktop.

HOW TO USE THIS CATALOGUE

If you wish to view a particular instrument in greater detail, simply click on the 'View On-Line' text below the instrument. You will of course need to have an internet connection to use this feature. Clicking this link will take you to the instruments detail page on our website (www.cuthbertsonlaird.co.uk) from where you can view and download datasheets etc.

CUTHBERTSON LAIRD GROUP - THREE OFFICES - THREE COUNTRIES

Established in 1980, we now have offices in Hamilton, Leeds and Newtownabbey (Belfast).

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Newtownabbey: Telephone +44 (0) 2890 830302. Fax +44 (0) 2890 838866. Click to [Email Belfast](#)

Clicking on the email link will open up your default email program with the address and subject fields already populated.



Insulation

Regular insulation testing is one of the most cost effective methods of identifying aging in any type of electrical equipment.



Megger MIT510/2

CAT IV, the MIT510/2 is a 5kV Insulation resistance tester. Measures up to 15T Ω .

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Megger MIT520/2

5kV Diagnostic insulation resistance tester. Measures up to 15T Ω .

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Megger MIT1020/2

10kV Diagnostic insulation resistance tester. Measures up to 35T Ω .

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Megger S1-552/2

5 kV high current insulation resistance tester .

[Please Telephone](#)



Megger S1-1054/2

10kV insulation resistance tester with high noise rejection. Measures to 35 T Ω .

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Megger MIT30

A portable 0 - 30kV insulation tester with user selectable current trip points.

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Chauvin Arnoux CA6545

4 fixed test voltages and programmable test voltage in increments of 10V or 100V.

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Chauvin Arnoux CA6547

Similar to CA6545 but offers memory function and an RS 232 link.

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Chauvin Arnoux CA6549

5kV tester with a range of 10T Ω plus memory and programmable alarms.

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Fluke 1550B

Tests at 250, 500, 1000, 2500 and 5000V. 99 memory locations. Measures 0 to 1T Ω .

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Metrohm E3511

5kV insulation tester. Test voltages 500, 1000V, 2.5 & 5kV. 0.1 Ω - 100G Ω

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Kewtech KEW3125

Test voltages of 500, 1000, 2500 and 5000V. Measurement up to 1000G Ω .

[Please telephone for details](#)



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Protection

Primary & Secondary Current Injection Test Sets and Protective Relay Test equipment from T&R, Megger, Programma & SMC. Available from the Cuthbertson Laird Group.



T&R 100ADM mk4

Clear and simple user interface. 0-100A output current. True RMS digital metering.

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T&R 200ADM

Current injection system with 0-200A output current.

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T&R 50A-3PH

Three phase current output with 0-50A phase injection current. Voltages to 18V.

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T&R DVS3 mk2 Relay System

Allows simple testing of complex voltage and loss of mains protection systems.

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T&R 750ADM

Compact, rugged primary current injection systems with a 750A output capability.

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T&R PCU1

Medium powered primary current injection systems offering output up to 5000A.

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Programma Freja306

Computer-aided relay testing & simulation system. Can be operated without a PC.

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Programma Sverker 650

Secondary testing of almost all types of single-phase protection.

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Programma Sverker 750

The engineers toolbox. Has many functions that make relay testing more efficient.

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Programma Sverker 760

Similar to the Sverker 750 but with a continuous phase shift function.

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Programma Sverker 780

Virtually all types of single-phase protection can be tested with this tester.

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Programma B10E

A variable DC power supply unit ideal for testing breaker coils.

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Protection

Primary & Secondary Current Injection Test Sets and Protective Relay Test equipment from T&R, Megger, Programma & SMC. Available from the Cuthbertson Laird Group.



Programma Magnus

Step-up transformer checks that protective relay equipment has the correct outputs.

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Programma Egil

Designed to test circuit breakers having one main contact per phase.

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Programma VIDAR

Vacuum tester that enables you to check the integrity of the vacuum bottle quickly.

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Programma PAM360E

Designed for directional test of relay protection and instrument transformers.

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Programma TM1600

Circuit breaker analyser that measures a circuit breakers timing cycle.

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Programma TM1800

The instrument platform for circuit breaker maintenance worldwide.

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Programma Oden AT

4 fixed test voltages and programmable test voltage in increments of 10V or 100V.

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Programma TM200

Timer TM200 is often needed with the CSU600A, Sverker 650 or the Oden A.

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Megger SITS120

Digital instrumentation and unique features for testing protective relays.

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Megger PCITS2000/2

2000A test set, self contained and designed for operation by one person.

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Megger MPRT

Designed to perform routine testing of protective relays.

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Battery Test

Research indicates that internal battery cell impedance increases with the age and discharge history of a cell. Battery systems that provide stand-by power must be inspected and tested at regular intervals.



Hioki 3554

Clear and simple user interface. 0-100A output current. True RMS digital metering.
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Megger BGFT

Identifies, tracks and locates ground faults in ungrounded DC battery systems.
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Megger Bite 2P

Vacuum tester that enables you to check the integrity of the vacuum bottle quickly.
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Megger Bite 3

Measures impedance, voltage, intercell connection resistance and ripple current.
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Megger BGL

Allows tracking and locating of ground faults on live or dead battery systems.
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Programma Torkel 820

Ult10kV insulation resistance tester with high noise rejection.
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Programma Torkel 840

Tests at 250, 500, 1000, 2500 and 5000V. 99 memory locations. Measures 0 to 1TΩ.
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Programma Torkel 860

5kV insulation tester. Test voltages 500, 1000V, 2.5 & 5kV. 0.1Ω - 100GΩ
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Transformer

A range of automatic and portable oil test sets and TDR's which are available from the Cuthbertson Laird Group.



Megger OTS60AF/2

An automatic oil dielectric strength test set with maximum test voltages of 60 kV.

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Megger OTS80AF/2

An automatic oil dielectric strength test set with maximum test voltages of 80 kV.

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Megger OTS100AF/2

An automatic oil dielectric strength test set with maximum test voltages of 100 kV.

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Megger OTS60 SX

Lightweight, semi-automatic test set with a maximum test voltage of 60 kV.

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Megger OTS60 PB

A fully automatic portable oil test set with a maximum test voltage of 60 kV.

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Megger Karl Fischer KF875

Designed to determine moisture in oil and provide highly accurate results on-site.

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Megger KF-UNI

Measures the dryness of liquids with a specific gravity between 0.60 and 1.40.

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Megger TTR300

Measure the turns ratio of power, instrument, and distribution transformers.

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Megger TTR310

Measure the turns ratio of power, instrument, and distribution transformers.

[View On-Line](#)



Megger TTR25

An automatic hand-held battery operated transformer turns ratio test set.

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Megger TTR100

An automatic handheld, battery operated transformer turns ratio test set.

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Motor & Phase Rotation Tester

Offers complete phase-sequence and motor rotation testing in one instrument.

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AC/DC Test

A range of automatic and portable oil test sets and TDR's which are available from the Cuthbertson Laird Group.



T&R PT15-10S DC Cable Test

HV DC test set designed to perform tests on installed cable & jointing systems.

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T&R PT18-10 DC Cable Test

HV DC test set designed to perform tests on installed cable & jointing systems.

[View On-Line](#)



T&R PT30-10 Cable Test

HV DC test set designed to perform tests on installed cable & jointing systems.

[View On-Line](#)



T&R KV5-100 AC Tester

A general purpose HV AC test set with an output voltage adjustable from zero to 5kV.

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T&R KV30-40 AC Tester

A general purpose HV AC test set with an output voltage up to 30kV.

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T&R KV30-100 AC Tester

High-power, high voltage AC test systems designed for insulation testing.

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T&R KV50-100 AC Tester

High-power, high voltage AC test systems designed for insulation testing.

[View On-Line](#)



T&R KV50-200 AC Tester

High-power, high voltage AC test systems designed for insulation testing.

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T&R KV100-100 AC Tester

High-power, high voltage AC test systems designed for insulation testing.

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Low Ohm

Digital micro-ohmmeters and DLROs are designed to measure the resistance of circuit breaker contacts, bus-bar joints and other high-current links.



Chauvin Arnoux CA6240

A top-of-the-range product designed for on-site, workshop or laboratory use.

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Chauvin Arnoux CA6250

4-wire measurement method, $1\mu\Omega$ to $2,500\Omega$ (7 calibres, 3 with a 10A current).

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Cropico DO7

A practical instrument with 6 push button ranges from 600 microhms to 60 ohms.

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Cropico DO7e

Low cost microhmmeter, ideal for use in the workshop, field or test facilities.

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Cropico DO7 Plus

Suitable for applications within Aerospace, Utilities, Cable or Machine Manufacturers.

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Megger BT51

Two measuring ranges ($2000m\Omega$ and $20,00m\Omega$) and maximum resolution of $0.01m\Omega$.

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Megger DLRO10

Measure resistance from $0.1\mu\Omega$ to 2000Ω on one of seven ranges.

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Megger DLRO10X

Similar to DLRO10 but adds real-time download of results and on-board storage.

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Megger DLRO10 HD

High or low output power selection for condition diagnosis.

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Megger DLRO200

Test currents from 10 - 200A dc and on board memory for up to 300 test results.

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Megger DLRO600

Test currents from 10 - 600 A dc and on board memory for up to 300 test results.

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Programma Mjölner200

Conducts true DC ripple free current testing of bus bars, circuit breakers, fuses etc.

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Low Ohm

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Programma Mjölner600

Measure the resistance of circuit breaker contacts, bus-bar joints etc.

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Programma MOM200A

Check and measure contact resistances in high voltage circuit breakers etc.

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Programma MOM600A

Rugged, compact microhmmeter which can output 0 - 600A DC.

[View On-line](#)



Programma MOM690

Features high current capacity and micro-processor-based measurement.

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T&R DSM200

Digital Micro-Ohmmeter equally suited to commissioning and maintenance etc.

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T&R DSM600

High Current Micro-Ohmmeter with a 0-600A DC test current.

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Earth Test

Poor grounding not only contributes to unnecessary downtime, but a lack of good grounding is also dangerous and increases the risk of equipment failure.



Chauvin Arnoux CA6410

Ultra-fast and safe; earth loops can be tested quickly by simply clamping earth cables.
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Chauvin Arnoux CA6415

Top-of-the-range model, with an alarm function and a measurement memory.
[View On-Line](#)



Chauvin Arnoux CA6470N

4 in 1: earth resistance & coupling, continuity and resistivity. Designed for on-site use.
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Fluke 1621

Handheld earth ground testing for mobile use. Large, clear LCD display.
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Fluke 1623

Offering 'one-button' simplicity, the 1623 is an all-in-one earth ground tester.
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Fluke 1625

Similar to the 1623 but with extra versatility for more demanding applications.
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Fluke 1630

Ground loop resistance testing without any disconnection or additional earth stakes.
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Kewtech KEW4105A

earth resistance tester for testing single earth spike systems.
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Megger DET2/2

High resolution earth tester. High resolution to 1mΩ and superior noise filtering.
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Megger DET3TC

Capable of testing on-site grounds without disconnecting the utility connection.
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Megger DET3TD

Provides digital ground testing and bond testing capabilities.
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Megger DET4TD2

With added feature of a fourth terminal for the measurement of soil resistivity.
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