



TEST EQUIPMENT RENTAL SERVICES

When you rent Test Equipment from TDC, we want you to know that you will have a dedicated personal service from start to finish. Our Customer Service team is here to support you throughout your rental period.

TDC are independent specialists promoting all high quality manufacturers and instrument types. Equipment can be delivered Next Day or Same Day to suit your requirements.

When you are finished, simply contact us to arrange your equipment collection or alternatively you can despatch it back to us – we make it easy.

RENTING FROM TDC JUST MAKES SENSE

By using TDC Test Equipment Rental Solutions, you benefit from our extensive rental inventory that is second to none. We constantly refresh our equipment range with branded equipment manufacturers such as Megger, FLUKE, Chauvin Arnoux, OMICRON, FLIR, b2 HVA, Agilent Technologies, Dranetz BMI, Fujikura, JDSU, Ametek Jofra, GE DRUCK, RAE Systems, TSI Airflow, Rohde & Schwarz, NORBAR, PANAMETRICS, Tektronix and many more.

You can utilise our rental equipment to suit your own requirements, from one week to as many months as you need. You only pay for what you use down to the day. Renting with TDC is straightforward and easy. Our expert Sales and Applications Engineers will find the best solution to suit your application.

Delivery & Collection is arranged by us - we make it hassle free and easy.

TDC 6 POINT RENTAL GUARANTEE - OUR REPUTATION MATTERS



1 SAME DAY DISPATCH

Many of our customers operate to very strict deadlines. Providing the order is placed and confirmed before 3pm, your equipment will be despatched the same day.



2 QUALITY

All Equipment is checked prior to dispatch to ensure it is servicable and in safe working order. Certification checks are standard.



3 SUPPORT

We will provide you with enough information to make an informed choice of the correct equipment required for your application.



4 PRICE

We offer a simple price match promise. We'll match any genuine competitor quote.



5 CUSTOMER SERVICE

We can promise that throughout your rental period, we will do our utmost to provide you with the best customer service. All information we provide is in good faith and free of charge. We will provide a quote for any consultancy or professional advice that may be required.



6 REPUTATION

We know we are only as good as our last job. We don't just want regular customers - we want to build loyal customers.



For all enquiries, please contact: Gordon Thow (Test Equipment Rental Manager)

t: +44 (0)1224 710077 | e: gordon.thow@tdcaberdeen.co.uk | w: www.TDCaberdeen.co.uk

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**CHAUVIN[®]
ARNOUX**
CHAUVIN ARNOUX GROUP



TEST EQUIPMENT RENTAL SERVICES

CA6255 10A Micro-ohmmeter

Datasheet

C.A 6255

10 A MICRO-OHMMETER



Check the quality of your connections and bonds using low-resistance measurements!

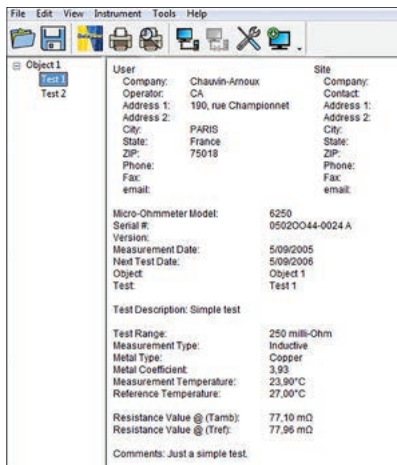
- Optimized current generator on inductive objects
- Measurement up to 2,500 Ω , resolution 0.1 $\mu\Omega$
- Automatic compensation of stray voltages
- Calculation of R at a reference temperature - Pt100 Ω probe
- Automatic discharge after test
- Programmable alarms
- Storage of up to 1,500 measurements
- Communication with a PC



With its intuitive use, the **C.A 6255 "high-performance" micro-ohmmeter** is ideal for measuring very low resistance values with **very high accuracy: 0.1 $\mu\Omega$** .

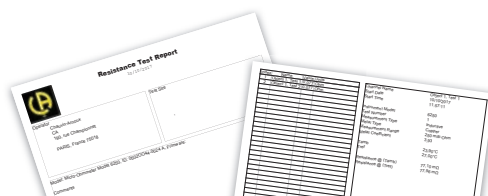


DataView® software platform for data processing



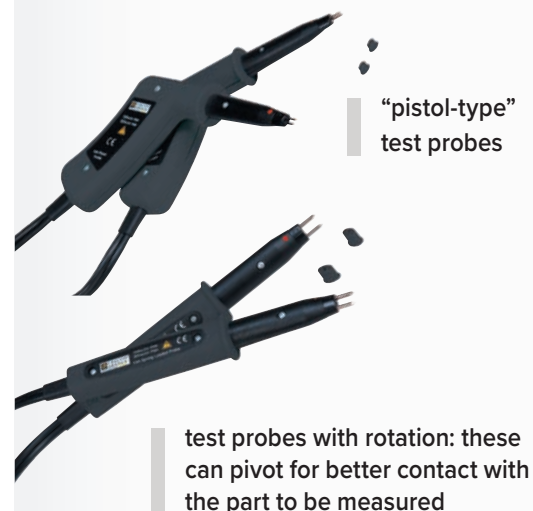
The **MOT module of DataView®** can be used to:

- Configure instruments connected to a PC
- Recover the measurement data stored in the instrument
- Back up the measurement files
- Open saved files
- Process the data and create reports
- Export the data into an Excel spreadsheet
- Export in .pdf format
- Manage the database



Kelvin 10 A clamps

Two models of retractable 10 A Kelvin test probes are available:



3 measurement modes



NON-INDUCTIVE MODE

for measurements on resistors with a time constant of a few ms (contacts, metallization, etc.)



INDUCTIVE MODE

for measurements on inductive components (transformers, motors, etc.)



NON-INDUCTIVE MODE with AUTOMATIC trigger

- for measurements on resistors without a time constant
- for repetitive measurements in production, helping to gain considerable time

Functions



TEMPERATURE COMPENSATION

The value of a resistance varies according to the temperature. For reliable supervision allowing the comparison of measurements which are comparable because they were made in the same conditions, it is a good idea always to express a measurement in terms of a given reference temperature. You can perform this calculation by simply pressing a key.



PROGRAMMABLE ALARMS

Because an audio signal is sometimes all you need to interpret and assess a measurement, it is possible to activate a high and/or low alarm. If it is overshoot, a buzzer sounds (adjustable volume).

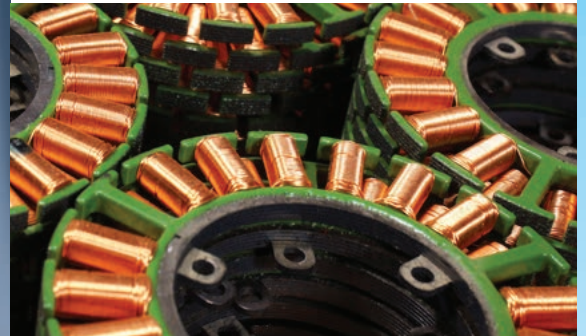


EXTENDED MEASUREMENT

The C.A 6255 is equipped with an internal memory capable of storing 1,500 measurements. They are memorized with two indices, OBJ (object) and TEST (test), which store the results in an ordered manner.

Numerous applications

- ▶ Measurements on windings (e.g. transformer) without overheating of the C.A 6255



- ▶ Surface finish and metallization
- ▶ Chassis-earth continuity/bonding test

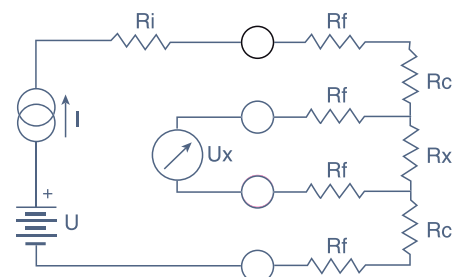


- ▶ Quality of the contacts (switches, relays)



- ▶ Resistance of cables
- ▶ Heating of motors and transformers
- ▶ Verification of mechanical linkage

4-wire Kelvin measurement method









Technical specifications

4-wire measurement method							
Calibre	5.0000 mΩ	25.000 mΩ	250.00 mΩ	2500.0 mΩ	25.000 Ω	250.00 Ω	2500.0 Ω
Resolution	0.1 μΩ	1 μΩ	10 μΩ	0.1 mΩ	1 mΩ	10 mΩ	100 mΩ
1-year accuracy	0.05 % + 1 μΩ	0.05 % + 3 μΩ	0.05 % + 30 μΩ	0.05 % + 0,3 mΩ	0.05 % + 3 mΩ	0.05 % + 30 mΩ	0.05 % + 300 mΩ
Measurement current	10 A	10 A	10 A	1 A	100 mA	10 mA	1 mA
Voltage drop	50 mV	250 mV	2,500 mV	2,500 mV	2,500 mV	2,500 mV	2,500 mV
Measurement modes	Inductive, non-inductive, non-inductive with automatic trigger						
Temperature compensation	By temperature sensor or manual						
Data storage	1,500 measurements						
Communication output	RS 232 link						
Power supply	NiMH rechargeable battery						
Dimensions / Weight	270 x 250 x 180 mm / approx. 4 kg						



Accessories

Double test probes and Kelvin clamps for micro-ohmmeters			Reference
	10 A Kelvin clamps (set of 2) • L = 3 m	Spade lug	P01101794
	Double 10 A "pistol" test probe (set of 2) • L = 3.15 m • Ø 2 mm test probes • Test-probe spacing: 3.5 mm	Spade lug and 4 mm banana	P01103065
	Double 10 A pivoting test probe (set of 2) • L = 3.15 m • Ø 3 mm test probes • Travel of probes: 10 mm	Spade lug and 4 mm banana	P01103063
	1 A Mini Kelvin clamps (set of 2)	Spade lug	P01101783
	Double 1 A test probe (set of 2) • L = 2.85 m	Spade lug and 4 mm banana	P01102056
Temperature			
	Pt 100 probe		P01102013



State at delivery

- Delivered with a bag containing:
- 1 set of cables 3 m long terminated by Kelvin clamps
 - 1 Euro mains power lead 2 m long
 - 9 user's manuals (1 per language)
 - 9 simplified user's manuals (1 per language)
 - MOT (Micro-Ohmmeter Transfer) data transfer software on CD-ROM
 - 1 x RS232 communication cable

Reference to order

C.A 6255 P01143221

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AC/DC Motors & Generators



Electrical Engineering



Mechanical Engineering



Condition Monitoring



Precision Machining



Marine Electronics



Elec & Mech Product Supply



Calibration and Rental Services



Quality Coatings



Transformers



Control Panels



Compressors



Auxiliary Power Systems

To differentiate our organisation in order to achieve continuous, sustainable growth, TDC endeavours to fully understand and exceed the expectations of our customers, and to work proactively to deliver **Engineering Excellence.**



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