



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)

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A. T. M. S.



TEST EQUIPMENT RENTAL SERVICES

HEXAN II Three-Phase Relay Test Set

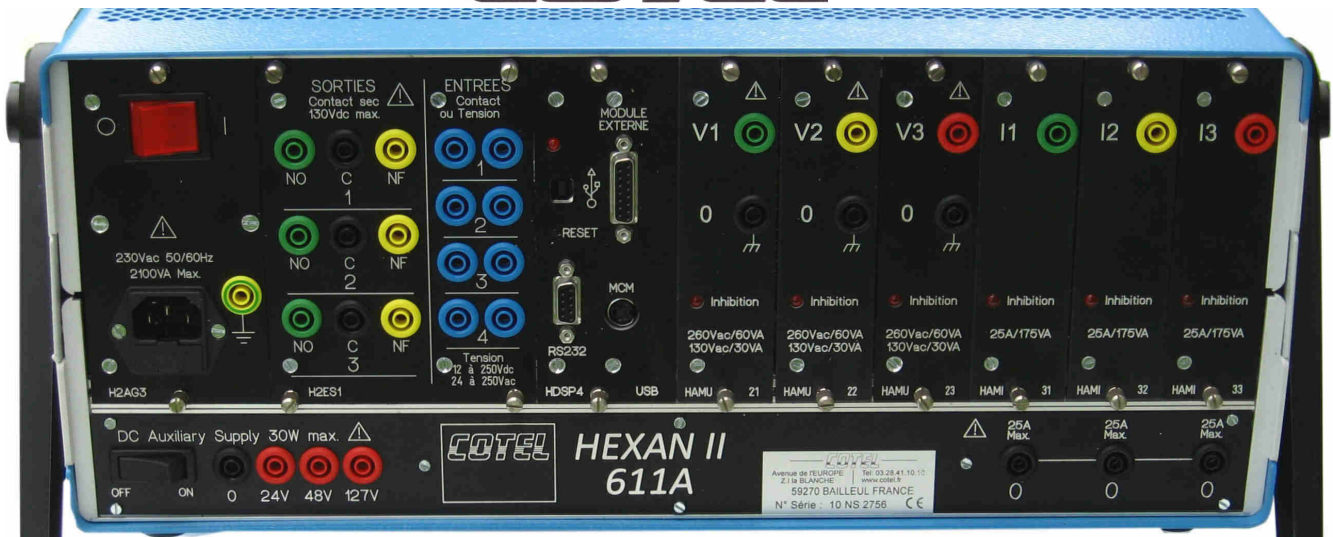
Brochure

A. T. M. S.

Proven Advanced Technology Solutions

HEXAN II Three-Phase Relay Test Set

by **COTEL**



- 15 or 25 A/ phase
- Up to 300 V/ phase
- Very User Friendly
- Computer or Manual control
- Modular & configurable
- Light weight

The versatile **HEXAN Type II** is a much-lightened version of the popular **HEXAN** system which uses advanced digital signal processing to combine the accuracy necessary for testing Electronic Relays (static or digital) with the power needed to test electromagnetic relays by secondary injection. Advanced features, including a switching power supply, are used to reduce the weight to only 13 kg (28 lbs).

It has two operating modes -

Manual, using the MCM Custom Interface module which displays and sets the electrical parameters defining the network state. A scrolling menu gives the different test modes.

Computer, using our free MANUSOFT software which presents a virtual test-set control panel with both potentiometers and advanced injection tools with displays of all parameters including Fresnel and Symmetrical Components diagrams.

HEXAN II is suitable for :

- Current relays (min and max)
- Voltage relays (min and max)
- Automatic reclosers
- Synchro-coupling & de-coupling relays
- Testing counters and transducers
- Distance and ROCOF relays
- Many other applications

Advanced Technology Marketing Services—26, High Street, HASLEMERE GU27 2HW

Tel - 07717763510 E-mail—sales@advantechms.com

www.advantechms.com

Technical Characteristics

MODELS

HEXAN II - 610

Voltage 0 - 13 V/6 VA & 0 - 130V/60 VA
Resolution 400µV at 13 V, 4 mV at 130 V
Ph-Ph max. 260 V
Current 0-5A & 0-25 A/175VA
Resolution 760 µA at 25 A
Ph-Ph max. 75 A

HEXAN II - 611

Voltage 0 - 130 V/30 VA & 0 - 260V/60 VA
Resolution 4 mV at 130 V, 8 mV at 260 V
Ph-Ph max. 520 V
Current 0-5A & 0-25 A/175VA
Resolution 760 µA at 25 A
Ph-Ph max. 75 A

HEXAN II - 612

Voltage 0 - 130 V & 0 - 300V/70 VA
Resolution 4 mV at 130 V, 8 mV at 300 V
Ph-Ph max. 520 V
Current 0-5A & 0-25 A/175 VA
Resolution 760 µA at 25 A
Ph-Ph max. 75 A

HEXAN II - 650

Voltage 0 - 13 V & 0 - 130V/60 VA
Resolution 400µV at 13 V, 4 mV at 130 V
Ph-Ph max. 260 V
Current 0-15A/110 VA
Resolution 460 µA at 15 A
Ph-Ph max. 45 A

HEXAN II - 651

Voltage 0 - 130 V & 0 - 260V60 VA
Resolution 4 mV at 130 V, 8 mV at 260 V
Ph-Ph max. 520 V
Current 0-15A/110 VA
Resolution 460 µA at 15 A
Ph-Ph max. 45 A

The current amplifiers can be connected in parallel on all models for **45** or **75 Amps**

Accuracy 0.1 %
Distortion 0.1 % THD
Current Ph-N max 75 A

Options include an external **Three Current** amplifier module for testing differential relays.



Low Level Outputs - 0 to 7.07 Vrms, (4 mA max.)

Resolution 215µV **Accuracy** 0.1 %
Distortion 0.1 % THD*

Phases **Resolution** 0.005°
Accuracy 0.1°

Power Supply

180-264 Vac, 50/60 Hz 1 phase + earth
90-132/180-264 Vac 47 to 63 Hz (option)
Power 900VA max for 15A amplifiers
 2100VA max for 25A amplifiers

connection IEC 320 plug

Analogue Inputs - 4 outputs - all isolated

Trigger Criteria - Voltage-free contact
 or voltage up to 250 V ac or dc
Connection 4mm. Banana plug
Accuracy ± 1 ms. ± 0.02 % value
Resolution 1 ms.

Logic Outputs - 3 voltage-free outputs (NO/NF)

Connection 4mm. Banana plug

Frequency generation

Range DC to 500 Hz
Resolution 500 µHz
Accuracy ± 1 mHz at 50 Hz

Aluminium case with carrying handles

Dimensions 44.8 x 32 x 18 centimeters
Operating temperature 0 to 40 °C
Storage Temperature -25 to 75 °C
Weight 13 kg

EMC Standards

Emission EN 50011 1991 class A
Immunity EN 50082-2 1992

Security—Complies with IEC1010

Accessories

Wire kit ref **JC03** with
 18 leads 2 m. x 2.5 mm.
 18 Croc. Clips
 1 polypropylene protective bag.
 1 Injection lead with ESSAILEC or SECURA plug

Other options include -

Auxiliary output **24/48/127 Vdc** to power relays.

Fourth independant **Voltage** amplifier.

Automatically switching **110/230 Vac** supply.

Soft and **rigid** transport cases.

Many software packages

The **MCM** hand-held user-friendly operating module which incorporates a timer for switching instantaneously between states.





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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