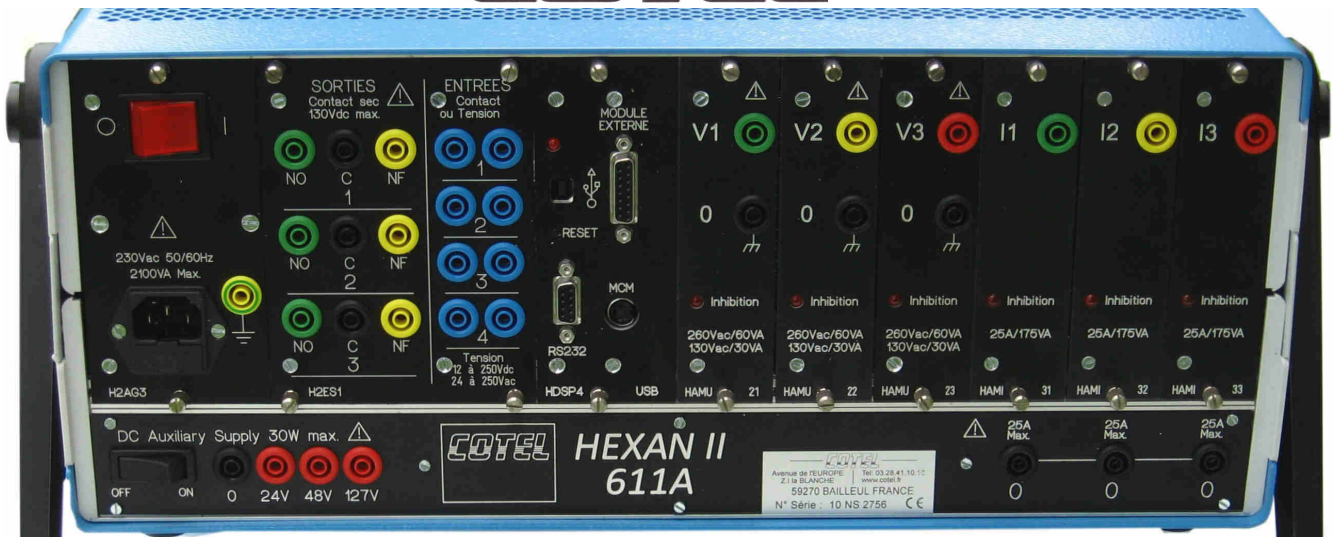


A. T. M. S.

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

Exclusive U.K. Service Organisation for COTEL products — **Norwich Instrument Services Ltd.** Tel 01603416900

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 - 260V/60 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.

