

NEW

- Weight only **14kg**
- **3 models available** BASE, EVO AND PRO
- **0-300A** on many ranges to adjust well and fine current or voltage
- **Fine coarse for current with I limit function**
- specially **adapted ranges for self powered relays** (PSAA, PI24S...)
- Electronic and thermal protection of the test set
- **Software to download test results by USB**
- **Wide graphical display with backlight**
- Advanced functions of timer : **recloser,.. EVO model**
- Ammeter input (measurement of ratio and direction of CT...) + voltmeter input **PRO model**
- **Auxiliary supply AC/DC**
- **0-250Vdc generator**— Min voltage coil testing
- **Free of-voltage contact output synchron with timer**

OVERVIEW

- Robust waterproof plastic case with handle
- Dimensions L x l x H : **410 x 340 x 205mm**
- Weight ≈ **14 kg (BASE or EVO model)**
- Weight ≈ **15 kg (PRO model)**

SPECIFICATIONS

Mains : 115*/230 Vac 50/60Hz single phase
+earth Pmax 1200VA

(*) At 115V power supply all no-load voltage outputs are divided by 2 but max current is same as 230V

Protections :

By circuit breaker on front panel and electronic

Current/Voltage generators (BASE model)

One generator in current or voltage continuously variable with output on 4 ranges compatible with self-powered relay.

0-3A, 0-6A, 0-12A with fine coarse(I limit)

0-20A without fine coarse

15A maximum voltage **24V ; 32A 140s**

30A maximum voltage **12V ; 100A 15s**

70A maximum voltage **5V ; 300A 15s**

0-250Vac/2.3A steady



DIGITAL DISPLAY

The control enables recording of trip time, threshold and CT ratio in an internal FLASH memory. These data can be downloaded to a computer with windows® XP/VISTA/7, 8, 10 v32&64 bits. The data connections is **USB**.

Supplied with

- 1 user's guide (paper format)
- 1 schuko power supply cable L=2.5m
- 1 terminal adaptor 6mm to 4mm

In options

- Software
- Set of cables

The MG 40S-N mk II is available in 3 models : Base, EVO ou PRO.

SPECIFICATIONS

Common for BASE, EVO et PRO

Internal ammeter :

- 2 automatic ranges **0-30 A** and **30-300 A**
- Precision : 1%
- TRMS value

Timer

- Two inputs with internal or external trigger
- Volt-free or voltage AC/DC **12 to 250 V**
- precision : 0.02 % +/- 1ms
- range : 9999.999 s

EVO model (BASE functions and more)

This model has one ammeter and one voltmeter external inputs.

The ammeter input is synhron with internal ammeter to measure ratio and direction fo current transformer CT.

The voltmeter input can be used to measure voltage generated by the test set or the burden of a transformer

External ammeter input :

- 2 automatic ranges **0-1 A** and **1-10 A**
- Precision : 0.5%
- TRMS value AC coupling

External voltmeter input :

- 2 automatic ranges **0-150 Vac/dc** and **150-500Vac/dc**
- Precision : 0.5%
- TRMS value for AC coupling
- MEAN value for DC coupling

PRO model (BASE + EVO functions and more)

With the PRO model, you have AC auxiliary supply + DC auxiliary supply, one continously variable DC power and a power dry relay contact synchronised with the timer .

AC auxiliary supply:

- 4 outputs 25V, 57V, 100V, 230V at mains frequency with ON/OFF switch
- Power 20VA Protection by automatic internal fuse
- Using for : AC, power of relay, voltage to test directionnal protection

DC auxiliary supply:

- 4 stabilised outputs 24V, 48V, 110V, 220V DC - ON/OFF switch
- Power 25W—Protection by automatic internal fuse.
- Using for : power of relay, logic inputs of relay

DC variable :

- 1 rectified and smoothed output continously variable 0-250 Vdc protected by automatic internal fuse.
- Power 500W steady —The output can accept curent peak to test coil breaker.
- Using for : Min/Max tripping of coil breaker

Relay contact synchronised :

- 250Vac/dc 5A max. Protection by fuse on front panel
- Positions NO and NC on front panel
- Delay of contact from 10 to 9999ms
- Using for : timing of breaker with coil tripping. Instantaneous ON/OFF to prevent the rising/falling time of the smoothed DC source.

