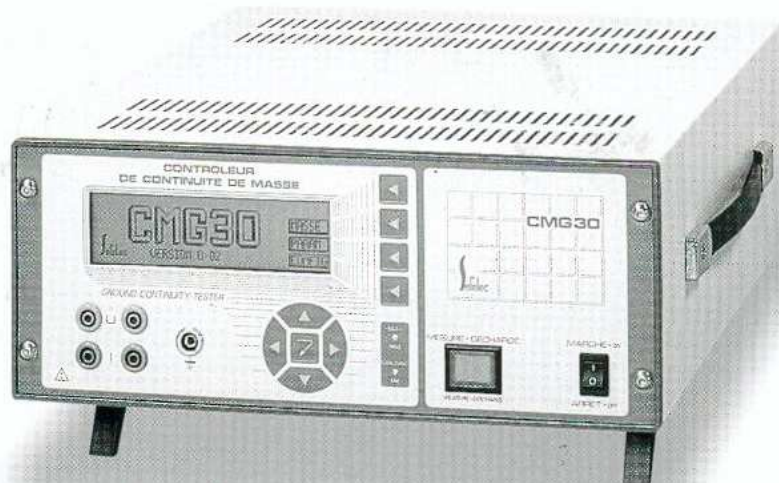




- ▶ Ground continuity from 1 mΩ to 1500mΩ
- ▶ Test current from 5 A to 30 A AC with regulation
- ▶ Current ramp
- ▶ Test voltages 6 or 12 VAC
- ▶ RS232C, PLC or IEEE488-2 interfaces
- ▶ Storing of 10 test parameters



## APPLICATIONS

The instrument is made for ground continuity resistance measurements according to most of the existing and future standards in medical applications, household appliance, electrical office equipment, lighting equipment, measuring equipment, etc.

Complies with standards: EN61010-1, EN60335-1, EN60950, EN60598-1, EN60380, EN60601-1, EN 60204-1, etc.

## CHARACTERISTICS

### Resistance measurement

- 0.001 Ω to 1.500 Ω
- display in voltage drop according to the EN60204 standard

### Accuracy

- +/- (2.5% + 10 mΩ)
- Display: 1500 digits

### Threshold

- High and Low limits adjustable from 0.001 Ω to 1.500 Ω
- Threshold adjustable in volt according to EN60204 standard

### AC current

- 5 to 30 AAC by 0.5 A step, with load regulation
- Accuracy: +/- (1% + 0.5A)
- Current can be progressively applied from 5 A to the maximum test value.
- Open circuit voltage: < 6 or < 12 VAC sinus
- Frequency: mains power supply (50 or 60 Hz)

### Measurement time

- Current rise time from 0 to 999 sec.
- Hold time from 0 to 999 sec.

### Storing

- 10 test parameter (current, threshold, time, ...) sets can be stored.

## PROTECTIONS

### Instrument

- By slow blow fuse

### Operator

- No current on the outputs as long as the safety interlock is open

## GENERAL CHARACTERISTICS

### Presentation

- Table top unit
- Metal case

### Dimensions

- Height. : 131 mm
- Width. : 339 mm
- Depth. : 324 mm

### Weight

- 12 kg

### Power

- 230 V +/-10% or 115 V +/-10% single phase -47-63 Hz
- Consumption: 70 to 600VA depending on test

### Operating temperature

- 0° C to +45° C

### Storage temperature

- -10° C to +60° C

### Over-voltage category

- CAT II

### Pollution degree

- 2

### Safety class

- Class I (earth connection)

## OPTIONS

01: RS232C (Talker-Listener) interface

02: PLC interface  
START contact  
PASS and FAIL contacts  
END OF TEST contact  
FAULT contact

05: Rear panel outputs not removable

06: IEEE488-2 (Talker-Listener) interface

07: GOOD-BAD contact

93: Remote control box  
(option 02 or 07 are requested)

## SOFTWARES

MG95: Software for MG series unit used together with a relay matrix

MG96: SMGPRO software for Home appliance test

MG98: Labview - National Instruments drivers

MG99: QBASIC example

## OPTIONAL ACCESSORIES

### TE66

- 4 wire ground continuity test probe (CO183 + CO184)

### TE80

- 2 wire ground continuity test probe with remote control push button

### TE81

- 2 wire ground continuity test probe with remote control push button and Pass-Fail LED (for multiple continuity)

### CO160-02

- Red - Green lamp to indicate the current presence

### CO183

- 2 wire ground continuity test lead with alligator clip

### CO184

- 2 wire ground continuity test lead with retractable tip

### A010

- 2 hand remote control

### A011

- remote control foot switch

### A014

- 25 points multiple accessories interconnection box

### KRMG3U

- 19" rack mount kit

### KW

- low value resistor (to select)

## CALIBRATION KIT

(STANDARD AND OPERATING MANUAL)

### MG91-30A

- Calibration box for ground continuity