



# RMG15 AC

## Datasheet

## DIELECTRIC STRENGTH TEST BENCHES

### RMG15 AC

GENERAL SPECIFICATIONS	
Overview	Dielectric strength test station from 0 to 15 kVAC
Power	500 VA
Standards	EN 61010-1, EN60335-1, EN 60950, EN 60598-1, EN 60601-1, EN 60204-1
Trip Modes	Delta I, IMAX
Interfaces	RS232, API, IEEE488-2
Mains Supply	230 V $\pm$ 15%, single-phase, 47–63 Hz Consumption: 600 VA
Storage Temperature	10°C to +60° C
Operating Temperature	0°C to +45°C
Overvoltage Category	CAT II
Pollution Degree	2
Class	Class 1 (protective earth)
Dimensions	
Height	180 mm
Width	430 mm
Depth	470 mm
Weight	20 Kg
PROTECTIONS	
Instrument	Time-delay fuse
Operators	Safety loop preventing voltage generation; red/green lamps indicating dangerous voltage presence
Equipment under test	Immediate fault detection and voltage cut-off at transformer primary
SOFTWARE	
WINPASS MX	Application software for test report generation

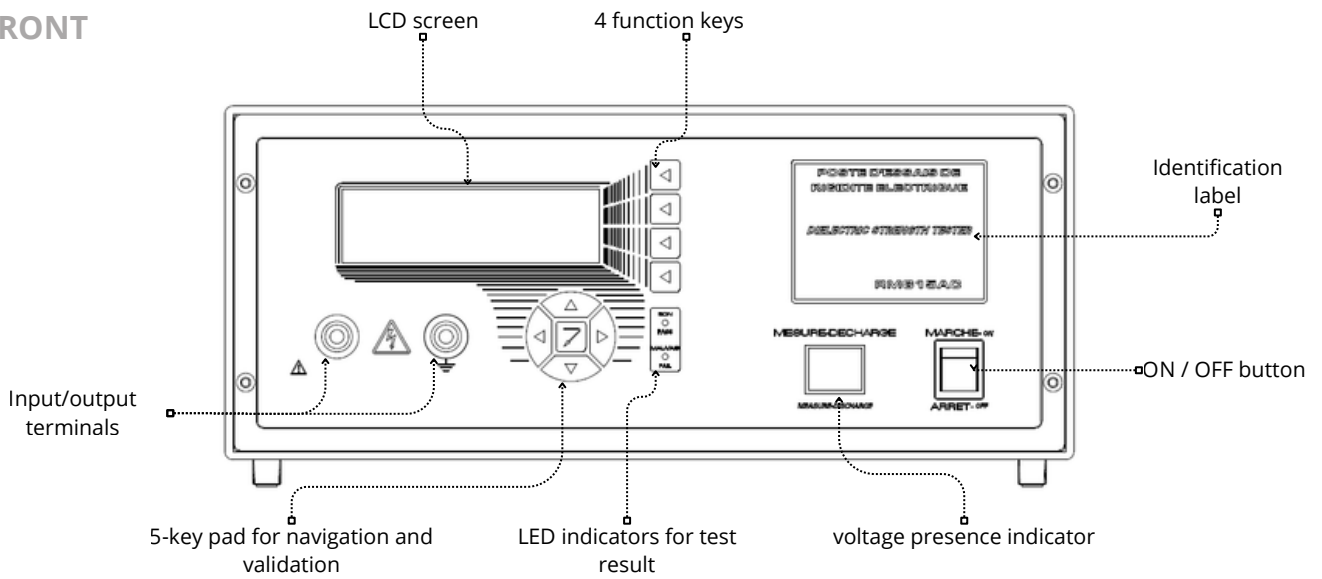


### DIELECTRIC STRENGTH TEST FUNCTION

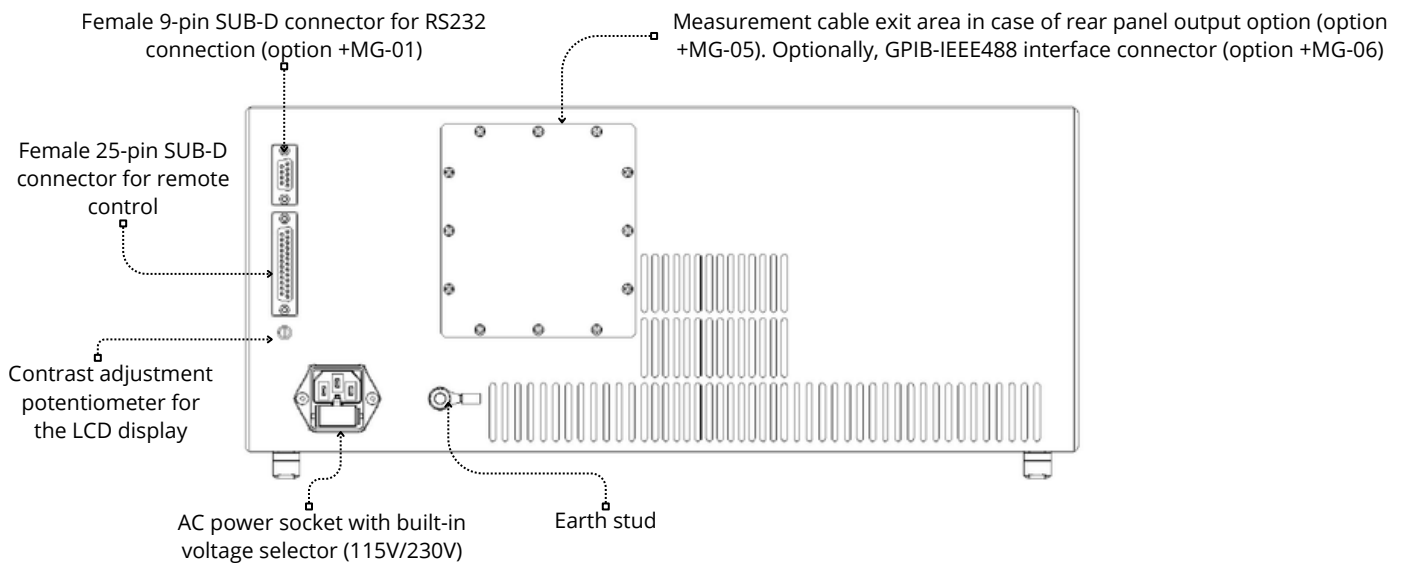
<b>Output Voltage</b>	0 to 15 kVAC Accuracy: $\pm$ (3% + 50 V) from 100 to 15,000 V, current <1 mA Trip modes: $\Delta$ I, IMAX, or $\Delta$ I+IMAX
<b>Voltage Reading</b>	Digital kilovoltmeter directly connected to output terminals Accuracy: $\pm$ (1.5% + 20 V), 1500-point display
<b>Stability</b>	Better than 3% for $\pm$ 10% mains variations
<b>Current</b>	Short-circuit >65 mA AC (limited to 5 sec) Nominal approx. 35 mA AC
<b>Current Reading</b>	Via shunt in test circuit Accuracy: $\pm$ (2.5% + 2U), U = 0.1 mA, resolution: 1000 points
<b>Fault Detection</b>	$\Delta$ I detector set to 10 mA $\pm$ 10%, 10 $\mu$ s $\pm$ 20% IMAX adjustable: <ul style="list-style-type: none"> <li>AC: 0.1 to 40.0 mA</li> <li>DC: 0.1 to 20.0 mA</li> <li>Combination of <math>\Delta</math>I and IMAX</li> </ul>
<b>Imin Threshold Function</b>	Detects proper probe connection Adjustable from 0.1 to 40.0 mA
<b>Fault Indication</b>	Visual (LCD + LEDs) and audible Stores fault voltage/current on LCD Cuts transformer primary at zero crossing
<b>Measurement Time</b>	Manual (no timing) or Auto (timed) Adjustable rise, hold, fall times: 0–999 sec or continuous Example: 1000 V/5 sec = 5 steps of 200 V For >10 kV: rise time 3 sec (AC) For >12 kV: rise time 10 sec (AC)
<b>Memory</b>	Stores 10 test parameter configurations

## DESIGN

### FRONT



### BACK



### OPTIONS

MG01	RS232C Interface
MG02	PLC contacts (START, PASS, FAIL, END OF TEST, FAULT)
MG03	0–10 V analog I/O
MG06	IEEE488 (Talker/Listener)
MG08	02 + 03 Options
MG93	Remote control box
MG101	RS interface for PLC remote control
WINPASS MX	Control and monitoring software for the tester with test report generation

### ACCESSORIES

TE89	Test probe
CO175	Ground return wire (2–10 m)
CO245	TE89 cord without probe
CO160	Red/Green lamps for voltage presence
KRMG4U	19" rack mounting kit
CO007-04-L05	Cordon d'adaptation au RMG15/12 pour CA00-X
AO10	Safety "two-hand" buttons
AO11	Remote foot switch
Calibration kit	Component & Manual

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