

M70

COMBINED INSTRUMENT FOR MEASURING INSULATION AND CONTINUITY OF PROTECTIVE AND EQUIPOTENTIAL CONDUCTORS

Model M70 is an innovative instrument, perfectly portable and mainly suitable for measuring insulation resistance with test voltage up to 1000VDC and continuity of protective and equipotential conductors with a current of 200mA, in compliance with the requirements of standard IEC/EN61557-1 in civil and industrial electric systems. The instrument can also be used for measuring insulation on machines and electric panels in compliance with standards IEC/EN60204-1 and IEC/EN60439-1. Thanks to the LOCK function, insulation measurement can be carried out continuously over time, thus testing the insulation of the item being tested, by carrying out duration tests. Measurement with programmable timer between 2 and 60s is also possible. The functions also include measurement of AC/DC voltage, measurement of resistance and continuity test with buzzer, as a common digital multimeter. The wide and backlit custom display for comfortably reading measures also in poorly lit environments, the ergonomic structure with small overall dimensions, the innovative electronic selector and the extremely light weight make M70 an indispensable instrument for all industrial installers and/or testers.

FUNCTIONS

Insulation with 250, 500, 1000VDC test voltage
Measuring range up to 4GΩ
Automatic discharge of tested item
LOCK function for continuous measurements
Insulation with programmable timer between 2 and 60s
Continuity of protective conductors with 200mA
Measuring probe self-calibration
AC/DC voltage up to 600V
Resistance and continuity test with buzzer
Wide backlit display
AutoPowerOFF
Weight: approx. 2kg

TECHNICAL SPECIFICATIONS

Insulation resistance	
Test voltage:	250, 500, 1000VDC
Measuring range:	0.001MΩ ÷ 4GΩ
Resolution:	0.001MΩ ÷ 1MΩ Basic accuracy: ±(2.0%rdg + 5dgt)
Overload protection:	605Vmaxrms
Continuity of protective conductors	
Test current:	>200mADC
Measuring range:	0.01Ω ÷ 19.99Ω
Resolution:	0.01Ω
Basic accuracy:	±(2.0%rdg + 3dgt)
Overload protection:	605Vmaxrms
AC/DC voltage	
Measuring range:	0.1V ÷ 600V
Resolution:	0.1mV
Basic accuracy:	±(0.5%rdg + 1dgt)
Overload protection:	605Vmaxrms

GENERAL SPECIFICATIONS

Display with backlighting:	LCD, 4 dgt, 10000 points
Power supply:	4x1.5V batteries type AA
AutoPowerOFF:	after 15 min of idleness
Safety:	IEC/EN61010-1
Measurement category:	CAT III 550V
Size (LxWxH):	240x100x45mm
Weight (with batteries):	450g

ACCESSORIES

Standard

Set of 2 cables + 2 alligator clips + 1 test lead
Batteries
Carrying bag
CE declaration of conformity
User manual



M70
HV000070