

1. ELECTRICAL SPECIFICATIONS

Accuracy is indicated as $\pm$ (% readings + no. of digits) at $23^{\circ}\text{C} \pm 5^{\circ}\text{C}$, con relative humidity $<60\%\text{HR}$

Continuity test on protective and equalizing conductors

Range (Ω)	Resolution (Ω)	Accuracy (*)
0.01 ÷ 19.99 (AUTO, R+, R-)	0.01	$\pm(2.0\%\text{rdg} + 2\text{dgt})$
20.0 ÷ 99.9 (AUTO, R+, R-)	0.1	
0.01 ÷ 9.99 (R+, R-, TIMER)	0.01	

(*) after cable calibration (which eliminates the cable resistance).

Test current: $>200\text{mA}$ DC for $R \leq 16\Omega$ (included calibration)

Resolution on current measurement: 1mA

Open-circuit voltage: 9VDC

Insulation Resistance (DC voltage)

Test voltage(V)	Range (MΩ)	Resolution (MΩ)	Accuracy
50	0.01 ÷ 19.99	0.01	±(2.0%rdg + 2dgt)
	20.0 ÷ 49.9	0.1	±(5.0%rdg + 2dgt)
	50.0 ÷ 99.9		
100	0.01 ÷ 19.99	0.01	±(2.0%rdg + 2dgt)
	20.0 ÷ 99.9	0.1	±(5.0%rdg + 2dgt)
	100.0 ÷ 199.9		
250	0.01 ÷ 19.99	0.01	±(2.0%rdg + 2dgt)
	20.0 ÷ 199.9	0.1	
	200 ÷ 249	1	±(5.0%rdg + 2dgt)
	250 ÷ 499		
500	0.01 ÷ 19.99	0.01	±(2.0%rdg + 2dgt)
	20.0 ÷ 199.9	0.1	
	200 ÷ 499	1	±(5.0%rdg + 2dgt)
	500 ÷ 999		
1000	0.01 ÷ 19.99	0.01	±(2.0%rdg + 2dgt)
	20.0 ÷ 199.9	0.1	
	200 ÷ 999	1	±(5.0%rdg + 2dgt)
	1000 ÷ 1999		

Open-circuit voltage: nominal test voltage $-0\% +10\%$

Short circuit current: $<3.0\text{mA}$ at 500V test voltage

$<2.0\text{mA}$ at 50, 100, 250, 1000V test voltages

Nominal test current: $<2.17\text{mA}$ on $230\text{k}\Omega$; 1mA at $1\text{k}\Omega$ per V_{nom} (others)

Safety protection: meter gives a display error message for $>30\text{V}$ inputs voltage presence

2. GENERAL SPECIFICATIONS

DISPLAY, MEMORY, SERIAL INTERFACE:

Features:	Custom LCD
Visible area:	65x65 mm
Memory:	350 locations
Serial interface:	RS-232 opto-insulated

POWER SUPPLY:

Batteries:	6 batteries 1.5V type LR6-AA-AM3-MN 1500
Low batteries indications:	"  " symbol at display
Batteries life:	40 hours on stand-by
	500 LOW Ω measuring
	250 ISO 500V measuring

MECHANICAL FEATURES:

Dimensions:	222 (W) x 162(L) x 57(D) mm
Weight (included batteries):	about 1kg

WORKING ENVIRONMENTAL CONDITIONS:

Reference temperature:	23°C $\pm$ 5°C
Working temperature:	-10° $\div$ 50°C
Allowed relative humidity:	<80%HR
Storage temperature:	-20 $\div$ 60°C
Storage humidity:	<80%HR

TEST VERIFIES REFERENCE STANDARDS:

Continuity test with 200mA:	IEC 61557-4
Insulation resistance:	IEC 61557-2
Insulation on switchboards:	EN60439-1

GENERAL REFERENCE STANDARDS:

Safety of measuring instruments:	EN61010-1 + A2(1997)
Product type standard:	IEC61557
Insulation:	class 2 (double insulation)
Pollution degree:	2
Overvoltage category:	CAT III 460V~ P/N/P
	CAT III 265V~ to ground
Use:	max altitude 2000m
EMC:	EN61326-1 (1998) + A1 (1999)

This instrument complies with the requirements of the European Low Voltage Directives 72/23/CEE (LVD) and EMC 89/336/CEE, amended with 93/68/CEE