

TECHNICAL CHARACTERISTICS Eurotest 61557/Instaltest 61557**Insulation Resistance**

Display range	0 – 1000 MΩ (Un≥250 V)	0 – 200 MΩ (Un<250 V)
Resolution	0.001	0.01 0.1 1 MΩ
Accuracy	±(2 % + 2 D)...(0 – 200 MΩ)	
Test voltage	50 100 250 500 1000 V	
Generator current capability	>1 mA	

Continuity of Protection Conductors (single measurement)

Display range	0.00 – 19.99	20.0 – 199.9	200 – 2000 Ω
Accuracy	±(2 % + 2 D)....(0 – 20 Ω)		
Open-terminal test voltage	4 – 7 Vd.c.		
Test current	>200 mA		
Compensation of test leads	yes		
Automatic polarity exchange	yes		

Continuity (continuous measurement)

Display range	0.0 – 199.9 Ω	200 – 2000 Ω
Accuracy	±(3 % + 3 D)	
Short-circuit test current	<7 mA	
Open-terminal voltage	4 – 7 Vd.c.	

Earth Resistance (four-lead method)

Display range	0 – 20 kΩ
Resolution	0.01; 0.1; 1; 10 Ω
Basic accuracy	±(2 % + 3 D)...(0 – 2 kΩ)
Test voltage	40 V(d.c.) / 125 Hz / sine wave
Short-circuit test current	<20 mA
Aut. potential and current probe res. test	yes

Earth Resistance (four-lead method + clamp)

See the characteristics under four-lead method

Earth Resistance (two test clamps)

Display range	0 – 19.99 Ω	20.0 – 100.0 Ω
Basic accuracy	±(10 % + 2 D)	±(20 %)

Specific Earth Resistance

Display range	0 – 2000 kΩm
Calculation	$\rho = 2\pi a Re$
Distance between test rods	1 – 30 m

RCD Protection Devices – general data

Nom. test current	10; 30; 100; 300; 500; 1000 mA (0 or 180 °C)
RCD type	AC, standard or selective

RCD – Contact Voltage

Display range	0.00 – 9.99	10.0 – 100 V
Resolution	0.01	0.1 V
Basic accuracy	(-0/+10) % ± 0.2 V	(-0/+10) %
Test current	<0.5 IΔN	