Insulation resistance

Insulation resistance (test voltages 50 V DC, 100 V DC and 250 V DC)
Measuring range according to EN 61557 is 0.25 MΩ ÷ 199.9 MΩ

Measuring range (MΩ)	Resolution (MΩ)	Accuracy
0.00 ÷ 19.99	0.01	±(5 % of reading + 3 digits)
20.0 ÷ 99.9	0.1	±(10 % of reading)
100.0 ÷ 199.9	0.1	±(20 % of reading)

Insulation resistance (test voltages 500 V DC and 1000 V DC)
Measuring range according to EN61557 is 0.15 MΩ ÷ 30 GΩ

Measuring range (Ω)	Resolution (MΩ)	Accuracy
0.00 M ÷ 19.99 M	0.01	±(5 % of reading + 3 digits)
20.0 M ÷ 199.9 M	0.1	±(5 % of reading)
200 M ÷ 299 M	1	±(5 % of reading)
300 M ÷ 999 M	1	±(5 % of reading)
1.00 G ÷ 4.99 G	10	±(10 % of reading)
5.00 G ÷ 19.99 G	10	±(20 % of reading)
20.0 G ÷ 29.9 G	100	indicative

Open circuit voltage -0 % / +20 % of nominal voltage
Measuring current min. 1 mA at $R_N = U_N \times 1\ k\Omega/V$
Short circuit current max. 3 mA
Auto discharge after test

Continuity (200 mA)

Measuring range according to EN61557 is 0.16 Ω ÷ 1999 Ω

Measuring range R (Ω)	Resolution (Ω)	Accuracy
0.00 ÷ 19.99	0.01	±(3 % of reading + 3 digits)
20.0 ÷ 199.9	0.1	±(5 % of reading)
200 ÷ 1999	1	±(5 % of reading)

Open-circuit voltage 6.5 V DC ÷ 9 V DC
Measuring current min. 200 mA into load resistance of 2 Ω
Test lead compensation up to 5 Ω
Automatic polarity reversal of the test voltage.

Continuity (7 mA)

Measuring range (Ω)	Resolution (Ω)	Accuracy
0.0 ÷ 19.9	0.1	±(5 % of reading + 3 digits)
20 ÷ 1999	1	±(5 % of reading + 3 digits)

Open-circuit voltage 6.5 V DC ÷ 9 V DC
Short-circuit current max. 8.5 mA
Test lead compensation up to 5 Ω

Voltage

Measuring range (V)	Resolution (V)	Accuracy
0 ÷ 9.99	0.01	±(3 % of reading + 3 digits)
10.0 ÷ 99.9	0.1	±(5 % of reading + 3 digits)
100 ÷ 550	1	±(5 % of reading + 3 digits)

Result type True r.m.s. (TRMS)
Nominal frequency range 0 Hz, 15 Hz ÷ 500 Hz

Frequency

Measuring range (Hz)	Resolution (Hz)	Accuracy
0.00 ÷ 19.99	0.01	±(0.2 % of reading + 1 digit)
20.0 ÷ 199.9	0.1	±(0.2 % of reading + 1 digit)
200 ÷ 500	1	±(0.2 % of reading + 1 digit)

Nominal voltage range 10 V ÷ 550 V