

17th Edition Testing

Insulation Tester (500V)



FREE
VC

CAT III
600V



The IN2101 is a compact, hand-held insulation tester which performs fast and accurate testing at 500V with automatic discharge after test.

Manufactured from durable ABS, the IN2100 Series insulation testers are designed to withstand the toughest on-site environments. All models feature a large, clear, backlit LCD display for testing in poorly lit locations with both digital and analogue readings.

The large rotary switch and readily accessible test buttons make it easy to select the required function, even when wearing gloves. Features include an internal battery check facility, auto hold, continuity buzzer and auto null function.

ACCESSORIES

TC2A	calibration
TL57	optional fused test leads
TL78	50m R2 continuity lead

IN2101

Insulation: 0.200M Ω -1000M Ω at 500V in 4 ranges
Accuracy: \pm (3% rdgs + 5 dgt)
Continuity:
Range: 0.01 Ω -40 Ω
Resolution: 0.01 Ω
Short circuit current: >200mA
Accuracy: \pm (3% rdgs + 5 dgt)
Buzzer: <30 Ω
Resistance: 0.1 Ω -1999k Ω
Accuracy: \pm (3% rdgs + 5 dgt)
Voltage range: 600V AC/DC
Voltage warning indicator: >30V
Accuracy: \pm (3% rdgs + 5 dgt)
 Backlight, auto hold, auto zero
IP rating: IP44
Complies with: BS EN61557 & BS 7671 (17th Edition) and BS EN61010 CAT III 600V
Dimensions: 90 x 210 x 54mm
Includes: batteries, manual, carry case (TC57) & test leads (TL47)

Insulation Tester (250V / 500V / 1000V)



FREE
VC

CAT III
600V



The IN2102 includes additional test voltages for testing at 250V, 500V and 1000V and has extended insulation resistance ranges up to 5G Ω .

In common with all models in the IN2100 Series, insulation test features include auto-discharge, an insulation test lock and auto-hold function to capture completed readings on the display. For continuity testing there is an auto-null function for lead resistance compensation and when working in office environments, it's possible to disable the buzzer to avoid causing a disturbance.

There is an auto power off function to extend battery life which can be disabled if required.

ACCESSORIES

TC2A	calibration
TL57	optional fused test leads
TL78	50m R2 continuity lead

IN2102

250V: 4/40/400/1000M Ω
500V: 4/40/400/4000M Ω
1000V: 4/40/400/5000M Ω
Range: 0.200M Ω to 5000M Ω
Short circuit current: <1.5mA
Accuracy: \pm (3% rdgs + 5 dgt)
Continuity:
Range: 0.01 Ω to 40 Ω
Resolution: 0.01 Ω
Short circuit current: >200mA
Accuracy: \pm (3% rdgs + 5 dgt)
Resistance: 0.1 Ω -1999k Ω
Accuracy: \pm (3% rdgs + 5 dgt)
Voltage range: 600V AC/DC,
Voltage warning indicator: >30V
Accuracy: \pm (3% rdgs + 5 dgt)
 Backlight, autohold, auto zero, APO disable
Dimensions: 90 x 210 x 54mm
Standards compliance: As IN2101
Includes: batteries, manual, carry case (TC57) & test leads (TL47)

Insulation Tester (50V/100V/250V/500V/1000V) with Clamp



TRUE
RMS

CAT III
1000V

CAT IV
600V

A unique combined insulation tester and clamp meter for the inspection and maintenance of electrical equipment and installations. The high specification CMi210 can perform insulation tests to 6G Ohms with 5 test voltages from 50V to 1000V. The clamp enables True RMS measurement of AC current to 1500A and DC current to 2000A.

Additional functionality includes AC/DC voltage to 1000V, resistance, continuity, capacitance, frequency, inrush current and temperature. For more details see page 54.

ACCESSORIES

TC2B	calibration
TL55	optional fused test leads
TL180	optional switching insulation probe

CMi210

50V: 0.3/3/30/300/1000M Ω
100V: 0.6/6/60/600M Ω
250V: 1.5/15/150/1500M Ω
500V: 3/30/300/3000M Ω
1000V: 6/60/600/6000M Ω
Range: 0.05M Ω to 6000M Ω
Short circuit current: <1.5mA
Accuracy 250-1000V:
 \pm (1.5% rdgs + 5 dgt)
Voltage warning: > 30V
Continuity range: 0.01 Ω to 40 Ω
Resolution: 0.1 Ω
Accuracy: \pm (1% rdgs + 5 dgt)
Resistance: 0.1 Ω -60M Ω
Accuracy to 600k Ω :
 \pm (1% rdgs + 5 dgt)
Voltage range: 750V AC, 1000V/DC
Accuracy: \pm (2% rdgs + 8 dgt)
Dimensions: 326 x 108 x 53mm
Includes: batteries, manual, case, test leads (TL45), type K thermocouple