

Megger PAT150R Portable Appliance Tester

- Safe automatic testing
 - Easy to use-simple tick/cross PASS/FAIL indication plus full display of testing results
 - Battery and mains powered testing
 - Allows compliance with AS/NZS3760
 - Tough case
 - Toughened scratch resistance back lit display
- The PAT 150R is ideally suited to low volume testing of single phase equipment including double insulated tools and all IT Equipment.
 - Can be used where no mains power is available for some tests via its' onboard rechargeable batteries.
 - Tests portable 10/30mA RCDs for trip time compliance.
 - Clear pass fail indication and actual results displayed making it ideally suited to novice and advanced users.
 - Easy to read LCD display and the instrument is housed in a relatively robust case with hinged lid to protect screen from accidental damage.
 - Lead check is protected from accidental wrong connection to mains supply.
 - Test duration is time adjustable.



The PAT150R is a cost-effective, full functionality portable appliance tester (PAT) which is ideal for use in a wide variety of PAT testing applications. The PAT 150R includes dual insulation test voltages, can be used to test portable equipment, has exclusive 10ma/30mA portable RCD lead testing, adjustable PASS testing limits and mains powered leakage testing procedures.

Built in its' own protective rubber carrying case as standard, the PAT150R even has a flipping lid that can be used to protect the screen when not in use. The instruments' built-in LCD screen is made of high quality materials, is resistant to scratches and shows both a PASS/FAIL reading as a cross/tick and full test results simultaneously.

WANT TO 'DO IT YOURSELF' WITH KNOWLEDGEABLE TRAINING FULL ON-GOING SUPPORT?

You will be trained to use a PAT (Portable Appliance Tester) and how to inspect and test both single and 3-phase appliances, receive *on-going support* When needed so that you are 'competent' as required by AS/NZS3760. We can also support you if you have bought equipment elsewhere and need help. NOTE: this is not just product training, this is **'How to Test & Tag'**.



SELV Device Test)	
Test Voltage	0 to 300V AC
Measurement Accuracy	±3% ± 3 digits
Resolution	0.1V AC
Display Range	0.1 to 300V AC
Extension Lead Test	
Test Voltage	5V
Polarity	Lead OK, Live/neutral shorted Live/neutral reversed Live/neutral open circuit
Portable RCD Test	
Test Voltage	Nominal mains 230V
Test Frequency	50Hz
Test Current Accuracy	+2% to +8% (1 x 1, 5 x 1)
Trip Time Accuracy	±1% ± 1ms
Trip Time Resolution	0.01ms
Display Range	0 to 200ms (1 x 1) 0 to 40ms (5 x 1)
Mains Supply Test	
Frequency Measurement Range	50Hz
Test Voltage	40 to 300V AC
Accuracy	±3% ± 3 digits
Resolution	0.1V AC
Display Range	40 to 300V AC
Circuit Test	
Test Voltage	5V
Test Frequency	Nominal mains 50Hz
Test Current	<100mA short circuit
EMC	
	Designed to meet IEC 61326-1: 2006 and IEC 61326-2-2: 2005
Environmental	
Operating Temperature	0 to 40°C
Storage Temperature	-20 to 60°C
Humidity	90% RH @ 10 to 30°C 75% RH @ 30 to 40°C
Max Altitude	2000m to full safety spec

Specifications	
Environmental Conditions	
Operating Ambient	20°C
Humidity	Nominal humidity
Continuity Testing	
Test Voltage	Compliance voltage: +4V DC -0 / +10% (open circuit)
Test Current	Bi-directional +200mA -0% + 50mA (into 2Ω load)
Continuity Accuracy	Resistance: ±5% ± 3 digits (0 to 19.99Ω)
Resistance Resolution	10mΩ
Display Range	0.01 to 19.99Ω
Continuity Test Nulling	Up to 9.99Ω
Test Duration	User-selectable from 2 seconds to 20 seconds or selected during test to 180 seconds
Insulation Test	
Insulation Procedure	250V DC: -0% / +25% open circuit 500V DC: -0% / +25% open circuit ≥ 500V 0% DC across 0.5MΩ load
Short Circuit/Charge Current	<2mA DC
Insulation Accuracy	±3% ± 10 digits (0 to 99.9MΩ)
Resolution	0.01MΩ
Display Range	0.10M to 99.99MΩ
Test Duration	User selectable from 2 seconds to 20 seconds or selected during test to 180 seconds
Substitute Leakage Test	
Leakage Current	Accuracy ±5% ± 3 digits
Test Frequency	Nominal mains frequency 50Hz
Test Voltage	<50V AC
Resolution	0.01mA
Display Range	0.10 to 19.99mA
Test Duration	User-selectable from 2 secs to 5 seconds
Differential Leakage Test	
Test Voltage	Nominal supply voltage 230V AC
Test Frequency	Nominal mains frequency 50Hz
Test Accuracy	±5% ±3d ± 3μA/A
Resolution	0.01mA
Display Range	0.10 to 19.99mA
Test Duration	User-selectable from 2 seconds to 5 seconds
Touch Current Test (PAT150 Only)	
Test Voltage	Nominal mains 230V AC
Test Frequency	Nominal mains 50Hz
Test Accuracy	±5% ± 3 digits
Resolution	0.01mA
Display Range	0.10 to 3.99mA
Test Duration	User-selectable from 2 seconds to 5 seconds

IP Rating	IP40 (with front cover closed)
Mechanical (Batteries)	
Battery Life	3 days based on 120 tests/day using 2000mAh alkaline batteries
Battery Type	Supply voltage 12V DC (alkaline AA LR6) 9.6V DC (NiMH AA LR6)
Weight	1300g
Dimensions	203mm (L.) x 148mm (W) x 78mm (H)

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TESTING
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