

UT520 SERIES

PAT Testers



DESCRIPTION

The UNI-T UT520 devices are a series of easy-to-use, battery-powered PAT testers that are suitable for testing Class I and Class II appliances, cables and IT equipment.

The major benefit of all UNI-T PAT testers lies in both their simplicity and the speed in which they can test appliances. The devices in the UNI-T UT520 series aren't filled with complicated menus to navigate through and tests are initiated by simply pressing one of three buttons.

There are two major products in the UT520 series: the UT527 and UT528. The UT527 is a PASS/FAIL PAT testing device, while the UT528 will show both PASS/FAIL ratings and the full testing result alongside it. The UT528 also has the ability to carry out 250/500V insulation resistance testing and 30m long lead testing.

A hard carrying case is included with a purchase of either tester. This case includes a custom cut-foam insert designed to protect the tester from every day wear and tear.

Anyone looking for an all-round, affordable, convenient, durable and easy-to-use electrical safety tester will find that the UNI-T 520 Series represent one of the best choices on the market.

www.testers.co.uk



KEY FEATURES

- Test Class I, Class II, cables and IT
- 250 / 500V (UT528)
- Battery powered
- Simple PASS or FAIL result (UT527)
- On-screen readings (UT528)
- 30m Long Lead Test (UT528)
- Weighs less than 1kg
- Easy one touch testing
- Hard transit case and accessories
- Performs: Earth Continuity, Insulation Resistance and Live / Neutral Checks for mains socket testing

SUITABLE FOR

- In-house testing
- Maintenance staff
- Schools, colleges and universities
- Low volume testing
- Leisure industry
- Care homes

UT527 SPECIFICATION

Basic Functions	Range	Accuracy	Parameter
Insulation Resistance Test	Class I PASS Value 1M Ω	$\pm 0.1M\Omega$	Output Voltage 500V
	Class II PASS Value 2M Ω	$\pm 0.1M\Omega$	Output Current (R=500K Ω): > 1mA (R=1K Ω): < 2mA
	IEC Lead PASS Value 2M Ω	$\pm 0.1M\Omega$	Short-circuit Current <3mA
Ground Resistance	Class I PASS Value 0.2 Ω	$\pm 0.03m\Omega$	Measuring Current > 200mA (R<2 Ω)
	IEC Lead PASS Value 0.2 Ω	$\pm 0.03m\Omega$	Measuring Voltage 5V DC
IEC Lead Test	Correct Wiring	✓ GOOD	
	Open Circuit, Short Circuit, Reverse Polarity	X FAIL	
Power Socket Test	Normal	Prompt "LN ✓, LE ✓, NE ✓"	AC220V \pm 10% Input
	Earth Fault	Prompt "LN ✓, LE x, NE x"	AC220V \pm 10% Input
	Neutral Line Fault	Prompt "LN x, LE ✓, NE x"	AC220V \pm 10% Input
Special Functions			
Sleep Mode	✓		
Low Battery Indication	✓		

UT528 SPECIFICATION

Basic Functions	Range	Accuracy	Parameter
Insulation Resistance Test	0.20M Ω ~ 19.99M Ω	$\pm 5\%+2$	Output Voltage 250V / 500V
			Output Current (R=500K Ω): > 1mA (R=1K Ω): < 2mA
			Short-circuit Current <3mA
Ground Resistance	Class I PASS Value 0.2 Ω	$\pm 5\%+2$	Measuring Current > 200mA (R<2 Ω)
	IEC Lead PASS Value 0.2 Ω	$\pm 5\%+2$	Measuring Voltage 5V DC
Leakage Test	0.10 ~ 10.5mA	$\pm 5\%+2$	Measuring Voltage 40V rms Test Frequency 50Hz AC
IEC Lead Test + 30m Long Lead Test	Correct Wiring	✓ GOOD	
	Open Circuit, Short Circuit, Reverse Polarity	X FAIL	
Power Socket Test	Normal	Prompt "LN ✓, LE ✓, NE ✓"	AC220V \pm 10% Input
	Earth Fault	Prompt "LN ✓, LE x, NE x"	AC220V \pm 10% Input
	Neutral Line Fault	Prompt "LN x, LE ✓, NE x"	AC220V \pm 10% Input
Special Functions			
Sleep Mode	✓		
Low Battery Indication	✓		

General Characteristics

Power	1.5V Batteries (LR14) x 6
LCD Size	136 x 47mm
Net Weight	970g
Size	210 x 178 x 90mm
Standard Accessories	Mains Test Lead, Hard Carry Case, Batteries, Manual, Earth Clip, Carry Strap

