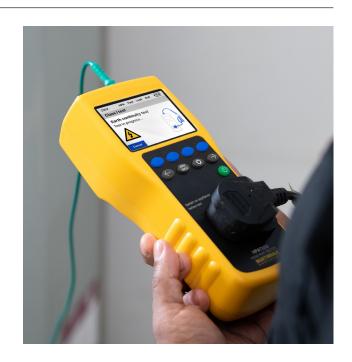


HPAT Series

Portable handheld PAT Testers







Key features

- Compact, portable design
- High-quality colour display with optional help screens
- Clear and simple PASS / FAIL indication with measured values
- Automatic testing Class I, Class II
 & IEC power lead tests
- IT safe 200mA earth bond test
- Selectable 250V or 500V insulation test
- USB-C rechargeable, fast charge support and power save mode

Premium features HPAT650

- Memory storage with on screen recall
- Adjustable test limits for long mains leads
- Single and sequenced test execution mode
- Substitute leakage test at reduced voltage for checking earth leakage

	HPAT550	HPAT650
Class I / Class II test	✓	✓
Pass / Fail Indication	✓	✓
Test values displayed	✓	✓
200mA Earth continuity test current	✓	✓
Insulation Test Voltage 250V & 500V	✓	✓
Lead Test	✓	✓
Rechargeable (via USB-C)	✓	✓
Sequenced test mode	✓	✓
Single test execution mode		✓
Memory (100 results)		✓
Selectable limits		✓
Substitute leakage test		✓

The HPAT Series of handheld PAT testers can be used for testing all types of portable appliances. They are designed for ease of use with one-button automatic testing while the small, lightweight design gives ultimate portability. Both models feature a bright, high-quality colour display for ease of use and can be charged via the integral USB-C charging port. The 250V insulation test option is ideal for surge-protected devices.

The HPAT650 incorporates result storage with on screen recall, substitute leakage test, single test execution mode and features adjustable test limits to allow for long leads.

A comprehensive range of optional adaptors is available for testing 110V appliances and equipment fitted with 3-phase plugs.

FUNCTION	HPAT550	HPAT650		
EARTH CONTINUITY				
Test voltage	>4V DC (into open circuit)			
Test current	>200mA DC (into short circuit)			
Range	0.01 - 20Ω			
Resolution	0.01Ω			
Accuracy	± (5% of reading + 2 digits)			
Fixed / default pass limits	Fixed $\leq 0.1\Omega$ $\leq 0.5\Omega$ selectable pass for long cable	Default ≤0.1, user settable ≤0.5Ω selectable pass for long cable		
User settable limits	-	≤0.1Ω to ≤0.9Ω in 0.1Ω steps		
INSULATION				
Test voltage	User selectable >250V DC at 1mA / >500V DC at 1mA (<312.5V DC open circuit / <625V DC open circuit)			
User selectable voltage	(2012.34 DO Open anount 7 20234 DO Open anount)			
Test current	<2mA (into short circuit)			
Range	0.01ΜΩ - 100ΜΩ			
Resolution	0.01MΩ (10kΩ - 2MΩ), 0.1MΩ (2MΩ - 20MΩ), 1MΩ (20MΩ - 100MΩ)			
Accuracy	5% reading + 2 digits			
Pass level	Lead: ≥ 1.0MΩ, Class I: ≥1.0MΩ, Class II: ≥2.0MΩ			
User settable pass level	-	≥0.3MΩ to ≥ 1MΩ in 0.1MΩ steps ≥1MΩ to ≥ 10MΩ in 1MΩ steps		
SUBSTITUTE LEAKAGE TEST				
Test voltage	-	<50V AC (into open circuit) 0.02-20mA DC (into short circuit)		
Accuracy	-	± (5% reading + 2 digits)		
Pass level	-	<5mA		
MEMORY				
Test records	-	100 tests stored for on-screen recall		
POWER	'			
Batteries	3.7V 5000mAh lithium polymer battery (non-user replaceable)			
Battery life	Fully charged, minimum 1700 complete tests approx.			
Auto power down	Auto dimming after 3 minutes, Auto power down after 5 minutes of inactivity			
ENVIRONMENTAL	ENVIRONMENTAL			
Location	Suitable for indoor use, and outdoor use in dry weather conditions only			
Altitude	Up to 2000m			
Operating temperature	0°C to 40°C			
Humidity	≤80% RH up to 31°C, decreasing linearly to 50°C RH at 40°C			
Ingress protection class	IP20			
Pollution degree	2			
GENERAL				
Overload protection	300V AC/DC			
Protection class	IP20			
Safety	Complies to BS EN 61010-1			

Comprehensive portable appliance testing kits

Martindale offers a range of professional PAT kits designed for both new or experienced users. These comprehensive kits provide all the additional items needed for PAT testing including pass / fail labels and adaptors. For full details go to the Martindale website: www.martindale-electric.co.uk

Includes

HPAT550: TL67 earth bond probe, EX322 IEC adaptor lead, TC57 carry case, USB-A to USB-C cable, TL178 null pin on keyring, instruction manual and verification certificate.

HPAT650: TL67 earth bond probe, EX322 adaptor lead, TL178 null pin on keyring, TC57 carry case, USB-A to USB-C cable, instruction manual and verification certificate

Optional accessories

TL157 110V PAT Adaptor, EX331 Extension Lead Adaptor, PATREG Register Book, PL13 Plug Lock Out, PAT testing labels LAB1, LAB2 and FAIL1. TL151, TL152, TL153 and TL154 3-Phase Adapters.

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Ver. F1.3

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