

Delta aPAT Pro Print Pack

Our most advanced DeltaPAT testing kit



Tablet & red IEC lead shown not included

The Delta aPAT Pro Print Pack is an advanced complete Portable Appliance Testing solution. The pack comes with a Metrel Delta 3309BT, a Zebra ZQ521 printer for printing quality test tags with custom logos, the advanced aPAT android interface for data entry and all contained in a purpose built heavy duty safe case with custom cut insert. aPAT enables fast and simple data management of tested appliances, as well as a quick overview of already performed tests by simply scanning a QR code. The application enables the user to send results to the main office before leaving test sites, enter and save data by using a smart phone or tablet keyboard.

All these features enable the user faster and easier data handling.

OVERVIEW

The Delta aPAT Pro Print pack is a complete portable appliance testing package. The kit can operate on mains or battery power making it highly portable. This kit includes the highly comprehensive DeltaPAT 3309 BT tester, a Zebra ZQ521 Bluetooth barcode printer and advanced aPAT android app interface for effortless data entry. Test tags are printed complete with test and retest date, custom logo and QR code which can be scanned with the android device camera for rapid retesting.

KEY FEATURES

- Custom heavy duty carry case
- appliance tester and printer will operate on batteries or mains power
- Delta 3309BT performs tests to AS/NZS 3760 standard with tests including earth bond, insulation, polarity, leakage and RCD tests
- Zebra ZQ521 allows printing of direct thermal test tags

aPAT KEY FEATURES

- Complete database of tested appliances in one location
- Upcoming retest warning on your smart phone or tablet
- Simple, custom auto-test creation
- Use smart phone barcode/QR code scanner for quick data entry
- remote control of portable appliance tester
- Easy data entering
- projects can be stored to your drop box account
- able to send data to main office, before leaving test site
- simple to perform test by scanning the QR code containing all information for the specific appliance.
- overview of testing parameters by scanning QR code
- custom logos easily changed and are user configurable
- print 'New to Service', 'Fail', or 'Pass' test tags

Overview



Includes the aPAT android app



ANDROID



Bluetooth™

An android tablet or phone is required to use the kit, we can provide a ready to use tablet or you can use your own device - It's compatible with most android tablets and phones



Protected by a heavy duty water resistant, air and dust proof safe case

Delta 3309BT

Technical specifications

| FUNCTION | Measuring range | Resolution | Accuracy |
|--|--|-------------------------------------|---|
| PE continuity (200 mA) | 0.00 Ω ... 19.99 Ω 20.0 Ω ... 199.9 Ω 200 Ω ... 1999 Ω | 0.01 Ω 0.1 Ω 1 Ω | ±(5 % of reading + 3 digits) Indication only Indication only |
| Insulation resistance (250 VDC, 500 VDC) | 0.00 MΩ ... 19.99 MΩ 20.0 MΩ ... 49.9 MΩ 50.0 MΩ ... 199.9 MΩ | 0.01 MΩ 0.1 MΩ 0.1 MΩ | ±(5 % of reading + 3 digits) ±(5 % of reading + 3 digits) Indication only |
| Substitute leakage current (30 VAC) | 0.00 mA ... 9.99 mA 10.0 mA ... 20.0 mA | 0.01 mA 0.1 mA | ±(5 % of reading + 3 digits) ±(5 % of reading + 3 digits) |
| Touch leakage current | 0.00 mA ... 7.00 mA | 0.01 mA | ±(10 % of reading + 5 digits) |
| Differential leakage | 0.00 mA ... 19.99 mA | 0.01 mA | ±(5 % of reading + 5 digits) |
| Functional test: appar- | 0.00 kVA ... 4.00 kVA | 0.01 kVA | ±(5 % of reading + 3 digits) |
| RCD and portable RCD: trip-out time (IΔN= 10 mA, 15 mA, 30 mA) | 0 ms ... 300 ms (½xIΔN) 0 ms ... 300 ms (IΔN) 0 ms ... 40 ms (5xIΔN) | 0.1 ms 0.1 ms 0.1 ms | ±3 ms ±3 ms ±1 ms |
| Clamp current | 0.00 mA ... 9.99 mA 10.0 mA ... 99.9 mA 100 mA ... 999 mA 1.00 A ... 9.99 A | 0.01 mA 0.1 mA 1 mA 0.01 A | ±(5 % of reading + 10 digits) ±(5 % of reading + 5 digits) ±(5 % of reading + 5 digits) ±(5 % of reading + 5 digits) |
| Voltage TRMS | 80 V ... 300 V | 1 V | ±(2 % of reading + 2 digits) |
| Polarity test | Test voltage < 50 VAC | | |
| Enhanced TRMS test (Detects: No live, active neutral reversal, N fault, PE fault, Multiple | | | |
| Voltage UL-N, UL-PE, | 80 V ... 300 V | 1 V | ±(2 % of reading + 2 digits) |
| R Loop | 0.00 kΩ ... 1.99 kΩ | 0.01 kΩ | ±(10 % of reading + 5 digits) |
| GENERAL | | | |
| Power supply | 6 x 1.2 V NiMH rechargeable batteries, type AA; 230 | | |
| Overvoltage category | CAT II / 300 V | | |
| COM port | RS232, USB and Bluetooth | | |
| Dimensions | 140 x 80 x 230 mm | | |
| Weight | 1.2 kg | | |

Included in the set



- Heavy duty carry case
- Custom foam with cut outs
- Zebra ZQ521 printer + charger
- Instrument MI 3309BT DeltaPAT
- License for aPAT android app
- IEC cable, 2m, black, 2pc
- Test lead, black, 1.5m
- Crocodile clip, black
- Test probe, black
- PC software PATLink Pro (or MESM)
- USB and RS232 cable
- Instruction manuals
- Delta calibration certificate
- NiMH rechargeable batteries, Type AA

Note: An android tablet is required to use this kit

Optional Accessories

| Photo | Order Id. | Description |
|-------|----------------------|--|
| | SST3 | Android tablet, configured ready for use with the kit |
| | IECCLOV (IECFIG8) | IEC to clover leaf adapter (fig 8 also available) |
| | INSCLOAK | Insulation Stainless Cloak |
| | TDD | Printable direct thermal test tags, available in various colours |
| | 3PTL | 3 phase adaptors with exposed earth core for clamps |
| | 3PMA | 3 phase multi adaptor for testing 4 and 5 pin sockets |
| | A 1472 | Leakage current clamp |
| | TAGCUT | Safety tag cutter |

Note! Photographs in this catalogue may slightly differ from the instruments at the time of delivery. Subject to technical change without notice



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