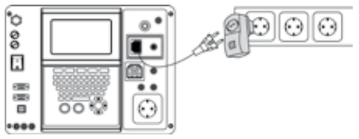
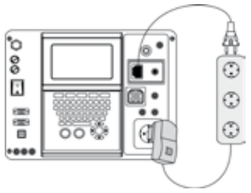
Testing PAT



PRCD testing

Active polarity test
This test provides testing of PRCD protected cords while voltage is applied to tested object.



Active polarity test

Autosequences
All Metrel PAT testers contain built-in predefined test sequences which are specified sets of measurements, limits and test parameters. To select the correct test sequence first the type and class of appliance must be determined. Then all safety relevant accessible conductive parts must be found. After that the test sequence, test limits and parameters must be selected. It is of a great advantage if this can be made automatically by the measuring instrument.

Custom test sequences
In case of testing unusual appliances or appliances that require a special method of testing that is not included in the standard autosequences custom defined test sequences can be used.

Project uploading
When retesting a site or location, project uploading allows previously saved information to be reloaded onto the PAT tester to speed up testing and enable trend comparison.

Trend comparison
Trend comparison allows test information from different dates to be compared in order to discover if deterioration is occurring in an appliance. In case the deterioration was found, the test engineer can make an informed decision as to if the frequency of testing and inspection is sufficient for the appliance.

Guide through Verification on Low-voltage electrical installations : VDE 701/702

Part No.	
MEASUREMENTS	
Continuity 200 mA	
Continuity 10 A	
Continuity 25 A	
Insulation resistance 250 VDC	
Insulation resistance 500 VDC	
Differential leakage current	
Touch leakage current	
Substitute leakage current	
Leakage current measurements with optional clamp	
Flash test	
PRCD testing	
Polarity test (IEC lead test)	
Functional (load) test	
Voltage TRMS	
ADDITIONAL FEATURES	
PASS / FAIL evaluation	
Mains supply check	
Built-in Checkbox	
Graphical LCD	
Graphical on-line help	
Backlight	
Real time clock	
QWERTY keyboard	
Auto testing (organizer, custom autotests)	
Barcode shortcut auto testing	
Communication ports USB / RS232 / BLUETOOTH	
"Test and tag" (barcode scanner + label printer)	
Data download to PC	
Project upload from PC	
Trend (compare) on instrument's LCD	
Trend with PC SW PATLink PRO Plus	
Number of memory locations	
STANDARD / OPTIONAL ACCESSORIES	
Barcode scanner	
Label printer	
Receipt printer	
Basic PC SW	
Advanced PC SW	
GENERAL DATA	
Weight	
Dimensions	

Accessories: page 3.32

Selection Guide for PAT testers

MI 3305 OmegaGT Plus	MI 3304 BetaGT Plus	MI 3310A SigmaGT	MI 3310 SigmaGT	MI 3309 DeltaGT	MI 3311 GammaGT	MI 2142 AlphaPAT
✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	–	–	–	✓
✓	✓	–	–	–	–	✓
✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	–	✓
✓	✓	✓	✓	✓	–	✓
✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	–	✓
✓	–	–	–	–	–	–
✓	✓	✓	✓	✓	–	–
✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓
–	–	Option	Option	–	✓	–
✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓
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✓	✓	✓	✓	–	–	–
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✓ / ✓ / –	✓ / ✓ / –	✓ / ✓ / ✓	✓ / ✓ / –	✓ / ✓ / –	✓ / ✓ / –	Option / ✓ / –
✓	✓	✓	✓	✓	✓	–
✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	–	–	–
✓	✓	✓	✓	–	–	–
✓	✓	✓	✓	–	–	–
6500	6500	6000	6000	1500	1500	1100
Option	Option	Option	Option	Option	Option	Option
Option	Option	Option	Option	Option	Option	–
Option	Option	Option	Option	Option	Option	Option
✓	✓	✓	✓	✓	Option	Option
Option	Option	Option	Option	Option	Option	–
8.4 kg		5 kg		0.86 kg	0.86 kg	3.5 kg
345 x 160 x 335		310 x 130 x 250		140 x 80 x 230	140 x 80 x 230	265 x 110 x 185

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