

A 1322 Active 3-phase Adapter



- NEW**
3-phase Multifunctional GT / Machine tester
- 3-phase P/RCD testing type (AC, A, B) type (P/RCD-S, P/RCD-K)
 - 3-phase active polarity (P/RCD protected extension leads)
 - 3-phase power testing (kVA, kW, kVA_r, Cos φ)
 - 3-phase differential leakage



Metrel's all new A 1322 Multifunctional test adapter is designed for troubleshooting, as well as for periodic testing on 3-phase appliances and machinery. Unique functions such as, active polarity testing, differential leakage testing and testing of 3-phase RCD's make the A 1322 Active 3-phase Adapter an ideal instrument for advanced applications. The A 1322 adapter is designed for use alongside the MI 3321 MultiservicerXA and the MI 3310/MI 3310A SigmaGT enabling functional tests to be carried out on machines up to 40 A. Several test socket outlets make this instrument an ideal tester for testing industrial extension leads that may also be RCD protected.

Due to the powerful test data management included with both supporting test instruments, all test data can easily be equipped with needed parameters. This data can be stored into the large memory included, and with the support of the powerful data management system PC SW Patlink Pro, exported as professional test reports.

POWERFUL FUNCTIONS FOR FAST AND EFFICIENT PERIODIC TESTING:

	MI 3310/MI 3310A	MI 3321
Earth bond / continuity resistance	✓	✓
Continuity (single / auto)	✗	✓
Insulation resistance	✓	✓
Insulation resistance – s	✓	✓
High voltage test	✗	✓
Loop impedance and prospective fault current	✗	✓
Discharging time	✗	✓
Voltage, frequency, three-phase rotary field	✗	✓
Substitute leakage current	✓	✓
Substitute leakage – s	✓	✓
Differential leakage current	✓	✓
3-ph differential leakage current	✓	✓
Touch leakage current	✓	✓
Polarity test	✓	✓
Active polarity test	✓	✓
3-ph polarity test / 3ph active polarity test	✓	✓
Clamp current test	✓	✓
P/RCD test	✓	✓
3-ph P/RCD test	✓	✓
Power / functional test	✓	✓
3-ph power / functional test	✓	✓

KEY FEATURES:

- All tests on 3-phase electrical equipment can be carried out, including live leakage test, power, polarity, RCD and Active polarity.
- Simple connection to the PAT/MACHINE tester with automatic detection.
- Simple test procedures, identical to single phase equipment.
- Test sequence for 3-phase tests are automatically set, based on entered test codes and input voltages.
- Built-in CEE 3-PH/32A 5 pin, CEE 3-PH/16A 5 pin and CEE 1-PH/16A 3 pin test sockets.
- Instrument comes complete with all accessories necessary for comfortable measurements and kept in a robust waterproof case.

APPLICATION:

- Professional 3-PH portable appliance testing
- Professional 3-PH machine testing

STANDARDS APPLIED

Electromagnetic compatibility (EMC)
EN 61326-1

Safety (LVD)

EN 61010-1; EN 61010-031

Functionality

VDE 0404-1; VDE 0404-2; VDE 0701-0702;
EN 60204-1 Ed.5; EN 60439; EN 61439-1;
AS / NZS 3760; NEN 3140

Technical specifications

Differential leakage current (230/400 V_{AC} or 120/208 V_{AC})

Differential leakage current readout

Range	Resolution	Accuracy
0.00 mA ÷ 9.99 mA	0.01 mA	±(5 % of reading + 5 digits)

Power / Functional test (230/400 V_{AC} or 120/208 V_{AC})

Apparent power readout

Range	Resolution	Accuracy
0.00 kVA ÷ 24.29 kVA	0.01 kVA	±(5 % of reading + 5 digits)

Active power readout

Range	Resolution	Accuracy
0.00 kW ÷ 24.29 kW	0.01 kW	±(5 % of reading + 5 digits)

Reactive power readout

Range	Resolution	Accuracy
0.00 kVAr ÷ 24.29 kVAr	0.01 kVAr	±(5 % of reading + 5 digits)

Power factor readout

Range	Resolution	Accuracy
0.00 ÷ 1.00	0.01	±(5 % of reading + 5 digits)

3-phase RCD / Test current (10 mA, 15 mA, 30 mA, 100 mA, 300 mA)

Portable RCD trip-out time readout (AC and A type PRCD)

Range	Resolution	Accuracy
0 ms ÷ 300 ms (½ x I _{ΔN} , I _{ΔN})	1 ms	±3 ms
0 ms ÷ 150 ms (2 x I _{ΔN})	1 ms	
0 ms ÷ 40 ms (5 x I _{ΔN})	1 ms	

Portable RCD trip-out current readout (B type PRCD)

Range	Resolution	Accuracy
0.2 x I _{ΔN} ÷ 2.2 x I _{ΔN}	0.05 x I _{ΔN}	±0.1 x I _{ΔN}

Polarity test Standard test (<60 V_{AC} and DC)

Polarity test Active (Mains supply voltage, over-current protection)

General data

Supply voltage single-phase	230 V ±10 %
Supply voltage 3-phase	230/400 V ±10 % 120/208 V ±10 %
Maximum test current	32 A, 40 A max (10 min)
Overvoltage category	300 V/CAT II
Protection classification	I
Pollution degree	2
Protection degree	IP 65 (closed and locked cover) / IP 20 (connectors)
Case	Shock proof plastic, portable
Dimensions (w x h x l)	335 mm x 160 mm x 335 mm
Weight (without accessories)	7.2 kg
Operation conditions	
Working temperature range	0 °C ÷ 40 °C
Maximum relative humidity	85 %RH (0 °C ÷ 40 °C), non-condensing

Ordering information:

Standard set

Part No. A 1322



- Instrument A 1322
- Bag for accessories
- Measuring / Connection cable between Adapter and Instrument
- 3-phase mains cable 16 A male / 32 A female, 5 pin, 2 m
- RS232 cable
- Instruction manual, short instruction manual
- Calibration certificate

Optional accessories:

Photo	Order No.	Acc. decription
	A 1373	3-phase mains cable / adapter 32 A male / 32 A female, 5 pin, 2 m
	A 1375	1-phase mains cable / adapter 32 A / 16 A Schuko, 3 pin, 2 m
	A 1376	3-phase adapter 16 A male / 16 A female, 5 pin, 2 m
	A 1394	1-phase adapter 16 A male / 16 A female, 3 pin, 2 m
	A 1418	1-phase adapter 16 A, 3 pin female / 16 A Schuko male, 2 m
	A 1419	1-phase adapter 16 A, 3 pin male / 16 A Schuko female, 2 m



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