

# Other instruments / adapters / accessories

## A 1722 PRCD adapter



The A 1722 PRCD Adapter is a multi-function test adapter intended for safety and functional testing of different types of 1-phase and 3-phase PRCDs. The adapter supports simulation of different error states and it has connection inputs for testing of PE wire (if monitored by PRCD), probe test (to test PRCD's touch electrode) and other applicable tests for standardized PRCD's testing. If used together with the MI 3155 Eurotest XD AUTO SEQUENCE®, the complete PRCD can be tested (state-by-state) electrically and functionally with a push of a button. It is possible to create a professional PRCD-based report with MESM.

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### KEY FEATURES

- Simulation of errors on input mains;
- Accessible Inputs/Outputs for easy connection of safety testers;
- Enables testing Continuity in PRCDs with the PE wire monitored.

### SUPPORTED INSTRUMENTS

- MI 3155 EurotestXD;
- MI 3152 EurotestXC;
- MI 3152H EurotestXC 2.5kV

### STANDARDS

#### Safety:

- EN 61010-1

#### Functionality:

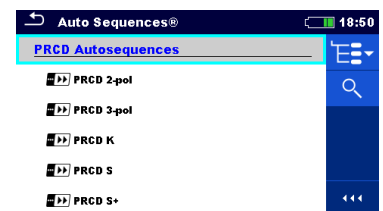
- DIN VDE 0701-0702;
- DIN VDE 0661;
- DIN VDE 0100-410

### APPLICATION

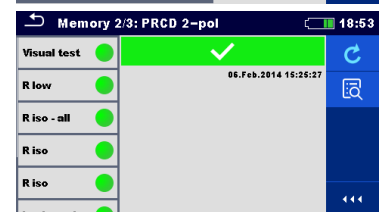
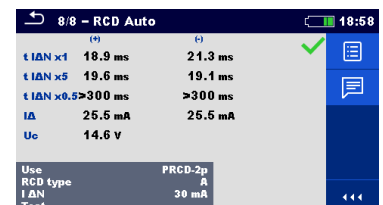
- **Functional testing of the following types of PRCD's:**
  - PRCD-S (1-phase / 3 pole and 3-phase / 5pole);
  - PRCD-S+ (1-phase / 3 pole);
  - PRCD-K/Di (1-phase);
  - PRCD (2pole and 3pole).

- **Functional testing, simulation of following faults:**
  - L-open (for 3-phase L1-L3);
  - N-open;
  - PE-open;
  - Reversed wires (for 1-phase L <> PE / L <> N, for 3-phase L1,L2,L3 <> PE / L1,L2,L3 <> N);
  - External voltage on PE.

- **Measurement of protective conductor;**
- **Measurement of insulation resistance;**
- **Measurement of PE-current with optional current clamps;**
- **Tripping test;**
- **Probe test.**



Prebuild AUTOSEQUENCES in MI 3155 EurotestXD



Step by step guide for testing PRCDs

## TECHNICAL SPECIFICATION

Error functions	State	Description
Input fault 1-phase	L op	L/L1 conductor open
	N op	N conductor open
	PE op	PE conductor open
	L<>PE	L and PE conductors reversed
	L<>N	L and N conductors reversed
	Uext (PE)	External voltage on PE
Input fault 3-phase	L1 op	L1 conductor open
	L2 op	L2 conductor open
	L3 op	L3 conductor open
	N op	N conductor open
	PE op	PE conductor open
	L1<>PE	L1 and PE conductors reversed
	L2<>PE	L2 and PE conductors reversed
	L3<>PE	L3 and PE conductors reversed
	L1<>N	L1 and N conductors reversed
	L2<>N	L2 and N conductors reversed
	L3<>N	L3 and N conductors reversed
General	Mains power supply	90-260 VAC, 45-65 Hz
	Protection category	300 V CAT II
	Measuring category	300 V CAT II
	Degree of protection	IP 65 (case closed) IP 40 (case open) IP 20 (mains test socket)
	Dimensions (W x H x D)	36 cm x 16 cm x 33 cm
	Weight	4.8 kg
	Working temperature range	-10 °C ... 50 °C
	Maximum relative humidity	90 %RH (0 °C ... 40 °C), non-condensing
Working nominal altitude	up to 3000 m	

## ORDERING INFORMATION



### Standard set A 1722

- PRCD Adapter A 1722
- 1-ph EU - 3 ph CEE (16 A) mains cable, length 2 m
- 1-ph Y - shuko cable A 1723, length 2 m
- 2 mm banana to 4 mm cascade banana adapter, cable length 1 m
- Test probe, red
- Protective bag for accessories (mounted on the case)
- Instruction manual

## OPTIONAL ACCESSORIES

Photo	Order No.	Acc. description
	A 1376	3-phase adapter 16 A male / 16 A female, 5 pin, 2 m
	A 1724	3-ph Y-CEE 16 A cable, 2 m
	A 1725	3-ph Y-CEE 32 A cable, 2 m

### METREL D.D.

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