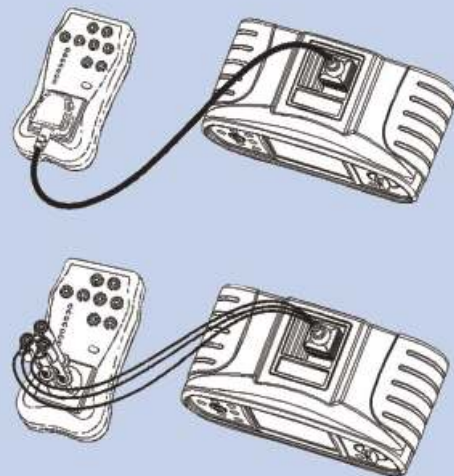


# Eurocheck CS 2099

Eurocheck is a professional, multifunctional field calibrator intended for use with installation test instruments. Function and accuracy of all Metrel and most other manufacturer's installation test instruments can be verified with Eurocheck. Regular tests with Eurocheck will reveal doubts about results that may look correct, but in fact they are wrong due to the instrument malfunctioning.



Simple field calibration of most frequently used functions when testing installations



Eurocheck can provide a simple field calibration of the most frequently used functions when testing installations. Furthermore, in some countries it is obligatory for approved contractors to demonstrate trustworthy control system for ensuring accuracy of test instruments (like NICEIC in United Kingdom). Eurocheck represents one simple solution in such cases. Regular 6-months or 1-year calibration of all measurement functions of the instrument is still recommended.

## Features

- Insulation calibration with  $U_i$  up to 1000 V.
- Continuity function calibration.
- Fault loop impedance calibration with RCD trip-lock function.
- Calibration of RCD trip-out time measurement.
- Line impedance calibration.
- Voltage and frequency calibration.
- Measurement leads verification.
- PE test terminal functional verification.
- Automatic mains polarity verification.

## Technical specifications

Insulation resistance reference value	2 M $\Omega$ $\pm$ 1 % and 50 M $\Omega$ $\pm$ 1 %
Low resistance reference value	0.5 $\Omega$ $\pm$ 2 %, 5 $\Omega$ $\pm$ 2 % and 15 $\Omega$ $\pm$ 2 %
Voltage and frequency reference value	50.0 V @ 240 V a.c., $\pm$ (5% + acc. of mains voltage) 47.9 V @ 230 V a.c., $\pm$ (5% + acc. of mains voltage)
Fault loop, trip-lock and line impedance reference value	1.2 $\Omega$ $\pm$ 0.2 $\Omega$ ; 11.0 $\Omega$ $\pm$ 0.5 $\Omega$

## RCD trip-out time simulation and $I_{\Delta n}$ current measurement

$I_{\Delta n}$ reference value	30 mA, accuracy $\pm$ 1 %
Trip-out time reference value	50 ms, accuracy $\pm$ 2 ms
Current LOW indication	28 mA, accuracy $\pm$ 1 mA
Current HIGH indication	35 mA, accuracy $\pm$ 1 mA

## General specifications

Power supply voltage	240 V a.c. (207 V/255 V), 50 Hz/60 Hz
Protection classification:	double insulation
Pollution degree:	2
Protection degree:	IP 40
Overvoltage category:	CAT II 300 V
Power consumption:	5 VA
Dimensions (w x h x d):	103 x 61 x 205 mm
Weight:	780 g

## Ordering information

Standard set

Part. No. CS 2099



- Instrument
- Soft carrying bag
- Instruction manual
- Declaration of conformity
- Declaration of warranty

Standards applied:  
EN61010-1, EN 61326



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