

# Installation testers

## CMB-S

Article number: 626 000 433



## Combination tester

The Combination Tester CMB-S or Combi Compact is one of the most compact portable combitesters available. The instrument is designed especially for installers or maintenance people who frequently need to check or inspect LV-installations after modification, initial inspection or addition. The tester can inspect, measure and test different kinds of RCD's (normal and selective), net or loop impedance and (insulation) resistance on LV-installations, according the EN 61557 regulation. Voltage and frequency can also be measured by the CMB-S.

## Following tests

### RCD-test

- Contact voltage  $U_c$  at a current of  $1/2 I_{\Delta N}$  or  $2 I_{\Delta N}$  (selective type), without tripping the RCD
- Trip current  $I_{\Delta}$
- Trip time (t) at a current of  $1/2 I_{\Delta N}$ ,  $I_{\Delta N}$ ,  $2 I_{\Delta N}$ ,  $5 I_{\Delta N}$
- Autotest (for type qualification)

### LOOP (L-PE) / Line impedance (L-N)

- Loop impedance
- Line impedance
- Short-circuit current  $I_{psc}$
- Check on earth potential (safe or dangerous)
- RS-Loop resistance without tripping RCD

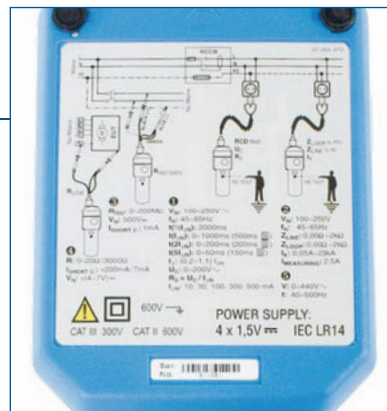
### Insulation test 500V

### Resistance (R)

### Voltage (V)

### Frequency (F)

## Profiles





The CMB-S has an internal memory of 1500 locations for storing the measured values. These stored values can easily be transferred to a PC via the InfraRed (IrDa) port.

## Including

- + Manual
- + Network test lead
- + Split test lead
- + Test probes
- + Alligator clamps
- + Protective holster



Split test lead



Test probes & alligator clamps



Network test lead

## Recommended accessories

- |                   |             |
|-------------------|-------------|
| Carrying bag MSa7 | 561 260 036 |
| Strap             | 626 000 587 |
| IR adapter        | 626 000 xxx |
- (see pages 38 - 41)

## Specifications

Function	Range
Trip time RCD	0.5 Inom 0 – 2000 1*Inom 0 – 1000 2*Inom 0 – 200 5*Inom 0 – 50
Trip current RCD	(0,5 – 1,4) Inom
Contact voltage	0 – 99,9V
Earthloop resistance NO trip RCD	10 10Ω – 10,0kΩ 30 3,3Ω – 3,33kΩ 100 1Ω – 1000Ω 300 0,33Ω – 333Ω 500 0,2Ω – 200Ω
Impedantie Phase-Nul / Phase-Earth	0 – 1999Ω
Potential short-circuit current Phase-Nul / Phase-Earth	0,06 – 23k A
Insulation resistance 500 V DC	0 – 199,9 MΩ
Partial resistance earth wire	0 – 2k99Ω
Voltage- & frequency measurement	0 – 440V 40 – 199,9 / 200 – 599 Hz

Specifications	
Memory	1500 locations
Output	IrDA
Over voltage category	CATII 600V / CAT III 300V
IP Protection	IP50
Power supply	4 x LR14 battery
Dimensions	290 x 110 x 65 mm.
Weight	0,75 kg