

# CURRENT CLAMP-ON METER WITH WIRELESS DATA TRANSMISSION CMP-600



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- AC and DC current measurement (TRUE RMS) up to 600A.
- AC and DC voltage measurement (TRUE RMS) up to 600V.
- Acoustic signalling programmable for instances of exceeding the MAX/MIN values set.
- Resistance measurement and continuity test:
  - continuity test with acoustic signalling (for resistance below 1000).
- Frequency measurement.
- Diode test.
- Wireless cooperation with many transmitters.
- CMP-600R compatible with a computer via a USB interface. Software provided.
- Comfortable case for the meter and accessories.

# CMP-600

- AC and DC current measurement (TRUE RMS) up to 600A.
- AC and DC voltage measurement (TRUE RMS) up to 600V.
- Acoustic signalling programmable for instances of exceeding the MAX/MIN values set.
- Resistance measurement and continuity test:
  - continuity test with acoustic signalling (for resistance below 1000).
- Frequency measurement.
- Diode test.
- Can be wirelessly connected to many transmitters.
- CMP-600R receiver made compatible with a computer via a USB interface.
- Additionally:
  - safe, insulated measuring clamps (30mm or a 35x10mm rack),
  - automatic range selection switchable to the manual range selection mode
  - "HOLD" function for holding measured values on the LCD,
  - legible LCD,
  - "DC ZERO" function – DC of the instrument can be zeroed, and the absolute measurement mode can be restored, at any time,
  - relative measurement mode for AC,
  - storage of minimum and maximum values,
  - estimates of electric energy costs made by the program provided.

<b>Electric security:</b>	
- measurement category	CAT III 600V acc. to EN 61010-1:2004
- casing protection class acc. to EN 60529	IP40
<b>Other technical data:</b>	
- power supply for transmitter and receiver	2 1.5V batteries type LR6
- display	LCD, 4 digits
- uninterrupted work time	300h transmission off, 100h transmission on (t=2s)
- transmitter's dimensions	220 x 64 x 35 mm
- receiver's dimensions	179 x 72 x 32 mm
- transmitter's weight (without batteries)	ca. 251 g
- receiver's weight (without batteries)	ca. 177 g
- LCD refresh rate	3x/s transmission off and 1x/s transmission on
- transmission frequency	433,62MHz
- polarisation	automatic, negative polarisation indicated (-)
- accordance with the following standards	EN 61010-1:2004, EN 61010-2-032

<b>Rated operational conditions:</b>	
- operating temperature	-10..+50°C, rel. hum. < 80%
- storage temperature	-20..+60°C, rel. hum. < 70%

## Standard equipment of CMP-600:

- test leads (2 pcs.)
- 1.5V AA battery (4 pcs.)
- case for the meter and accessories
- CD
- operating manual
- guarantee card

WAPRZCMP1

## Additional equipment of CMP-600:

- adapter to facilitate measurements of AC-16 current

WAADAAC16



## AC and DC current measurement TRUE RMS (50...500Hz)

Range	Resolution	Accuracy (DC)	Accuracy (AC)
400A	0,1A	±(1,8% m.v. + 10 digits)	±(1,8% m.v. + 10 digits) for f=50...500Hz
600A	1A	±(1% m.v. + 5 digits)	±(1% m.v. + 5 digits) for f=50...500Hz

## DC voltage measurement

Range	Resolution	Accuracy
400mV	0,1mV	±(0,75% m.v. + 3 digits)
4V	0,001V	±(1% m.v. + 3 digits)
40V	0,01V	
400V	0,1V	
600V	1V	

## AC voltage measurement TRUE RMS (50...500Hz)

Range	Resolution	Accuracy
4V	0,001V	±(1,5% m.v. + 10 digits)
40V	0,01V	
400V	0,1V	±(1,5% m.v. + 5 digits)
600V	1V	

## Resistance measurement

Range	Resolution	Accuracy
400Ω	0,1Ω	±(1% m.v. + 5 digits)
4kΩ	0,001kΩ	
40kΩ	0,01kΩ	
400kΩ	0,1kΩ	±(3% m.v. + 5 digits)
4MΩ	0,001MΩ	
40MΩ	0,01MΩ	±(5% m.v. + 5 digits)

## Frequency measurement

Range	Resolution	Accuracy
5Hz	0,001Hz	±(0,7% m.v. + 5 digits)
50Hz	0,01Hz	
500Hz	0,1Hz	
5kHz	0,001kHz	
50kHz	0,01kHz	
100kHz	0,1kHz	

## Continuity test

Range	Resolution	Accuracy
400Ω	0,1Ω	not specified

## Diode test

Range	Resolution	Accuracy
1V	0,001V	±(10% m.v. + 5 digits)