

PeakTech®

Unser Wert ist messbar...



PeakTech® 1636

**Bedienungsanleitung/
Operation Manual**

GRUPO ELECTROSÓN

**AC Leckstromzange /
AC Leakage current clamp meter**

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Letzter Stand bei Drucklegung. Technische Änderungen des Gerätes, welche dem Fortschritt dienen, vorbehalten.

Hiermit bestätigen wir, dass alle Geräte, die in unseren Unterlagen genannten Spezifikationen erfüllen und werkseitig kalibriert geliefert werden. Eine Wiederholung der Kalibrierung nach Ablauf von 1 Jahr wird empfohlen.

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1. Safety precautions

This product complies with the requirements of the following directives of the European Union for CE conformity: 2014/30/EU (electromagnetic compatibility), 2014/35/EU (low voltage), 2011/65/EU (RoHS).

Overvoltage category II 600 V; pollution degree 2.

CAT I: For signal level, telecommunication, electronic with small transient overvoltage

CAT II: For local level, appliances, main wall outlets, portable equipment

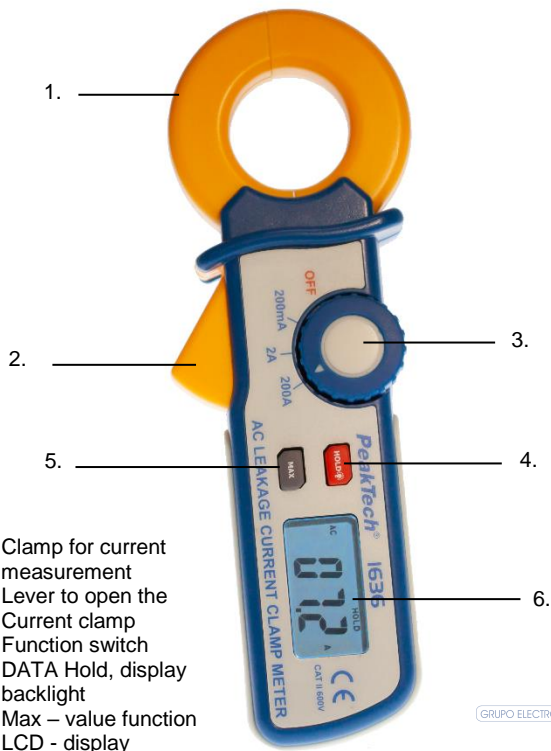
CAT III: Distribution level, fixed installation, with smaller transient overvoltages than CAT IV.

CAT IV: Units and installations, which are supplied overhead lines, which are stand in a risk of persuade of a lightning, i.e. main-switches on current input, overvoltage-diverter, current use counter.

To ensure safe operation of the equipment and eliminate the danger of serious injury due to short-circuits (arcing), the following safety precautions must be observed. Damages resulting from failure to observe these safety precautions are exempt from any legal claims whatever.

- * Do not subject the equipment to direct sunlight, extreme temperatures, extreme humidity or dampness
- * Do not operate the equipment near strong magnetic fields (motors, transformers etc.)
- * Do not subject the equipment to shocks or strong vibrations
- * Keep hot soldering iron or guns away from the equipment
- * Allow the equipment to stabilise at room temperature before taking up measurement (important for exact measurement)
- * Do not modify the equipment in any way
- * Opening the equipment and service- and repair ~~work must~~ only be performed by qualified service personnel
- * **Measuring devices don't belong to children hands**

3. Controls



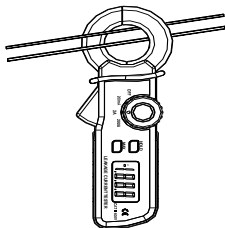
4. Operation

4.1 AC current measurement

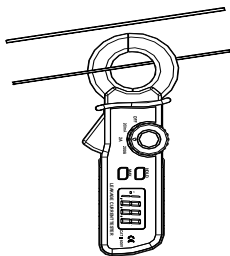
The leakage current clamp is able to measure alternating currents up to 200 amperes. The measurements are carried out contactlessly and without separate measuring lines which have to be connected to the device.

1. Set the Switch to the desired measuring range for the respective current measurement
2. Insert the lead to be measured into the current clamp, opening by operating the lever to open the clamp
3. After closing the current clamp meter, the measured value is shown on the LCD display

Observe the correct procedure during the measurement procedure (see picture 1).



FALSE



RIGHT

Picture 1

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4.2 Hold function

Press the “Hold” button to freeze the current reading on the LCD. The word HOLD will be displayed on the LCD while the meter is in data hold mode. Press the “Hold” button again to cancel the data hold function and return to the normal meter operation. After returning to the normal operation mode, the Hold symbol disappears from the display.

4.3 Backlight of the Display

To switch on the background lighting of the display from the P 1636, press the Hold button for approx. 2 seconds. When the background lighting is switched on, the Hold function is also activated, but you can switch it off again by briefly pressing the Hold button again. The display lighting switches off after approx. 15 seconds, by itself. It is also possible to switch the lighting off manually by pressing the Hold button again for approx. 2 seconds.

4.4 Max function

To hold the maximum measured value in the display, press the Max key. The Max symbol appears on the display and the highest measured value is shown.

When the measurement has been carried out and the Max function is no longer required, press the Max key again. The leakage current clamp is now in the normal measuring mode again and displays the current measured value.

4.5 Auto power off

The P 1636 also has an automatic power off function, which serves to increase the service life of the batteries. The device switches itself off after approx. 15 minutes if no measurements or settings have been made with or on the device during this time.

5. Replacing the batteries

If the remaining battery voltage is low, a battery symbol appears on the display.

To change the batteries, follow the following steps:

1. Set the switch position of the device to OFF
2. Unscrew the battery compartment on the back of the clamp meter and remove the empty batteries
3. Insert new "AAA 1.5V" batteries into the battery compartment
4. Pay attention to the correct polarity of the batteries when inserting them
5. Close the battery compartment and screw it back on.

After changing the empty batteries, the battery symbol disappears from the display when the device is switched on again.

6. Specifications

Function	Range	Resolution	Accuracy
AC Current (60 HZ)	200 mA	100 μ A	$\pm 5,0\% + 8$ dig.
	2 A	1 mA	$\pm 5,0\% + 10$ dig.
	200 A	100 mA	$\pm 2,5\% + 10$ dig.
Auto power off	After approx. 15 minutes		
Operating temperature	0 °C up to 30 °C (31 °F up to 86 °F) 90%RH 30 °C up to 40 °C (86 °F up to 104 °F) 75%RH 40 °C up to 50°C (104 °F up to 122°F) 45%RH		
Display	3 ½ digit (1999 counts) LCD		
Sampling rate	2 readings/seconds, nominal		
Current clamp diameter	Approx.. 3 cm		
Power supply	2 x 1,5V AAA batteries		
Dimensions	182 x 61 x 34mm (H x W x D)		

Notification about the Battery Regulation

The delivery of many devices includes batteries, which for example serve to operate the remote control. There also could be batteries or accumulators built into the device itself. In connection with the sale of these batteries or accumulators, we are obliged under the Battery Regulations to notify our customers of the following:

Please dispose of old batteries at a council collection point or return them to a local shop at no cost. The disposal in domestic refuse is strictly forbidden according to the Battery Regulations. You can return used batteries obtained from us at no charge at the address on the last side in this manual or by posting with sufficient stamps. Contaminated batteries shall be marked with a symbol consisting of a crossed-out refuse bin and the chemical symbol (Cd, Hg or Pb) of the heavy metal which is responsible for the classification as pollutant:



1. "Cd" means cadmium.
2. "Hg" means mercury.
3. "Pb" stands for lead.