

PeakTech[®]
Prüf- und Messtechnik

 *Spitzentechnologie, die überzeugt*



PeakTech[®] 1635

**Bedienungsanleitung /
Operation manual**

Digital - Zangenmessgeräte /

Digital Clamp Meters

Overrange - indication	"OL" or "-OL" is displayed
Measuring rate	2 x per second, nominal
Type of sensing	Hall-effect-sensing for AC and DC
Low battery indication	"BAT" is displayed when battery voltage drops below the operating voltage
Max. Altitude	3000 m
Installation category	IEC 61010-1; CAT III 600 V, UL 1244
Operating temp.	-10 °C...+50 °C (+14 °F...+122 °F)
Storage temp.	-30 °C...+60 °C (-14 °F...+140 °F)
Power Supply	2 x 1,5 V AAA
Max. Conductor size	18 mm
Dimensions	65 (B) x 164 (H) x 32 (T) mm
Weight	180 g
Accessories	Battery Carrying case Instruction manual

3.2. Electrical Data

Accuracy is \pm (% reading + number of digits) at $23 \pm 5^\circ\text{C}$ and a humidity of < 90%.

Function	Range	Resolution	Accuracy
DCA	0 ... 2 A	1mA	± (2,8% rdg. + 8 dgt.)
	2 ... 80 A	100mA	
ACA	0 ... 2 A	1mA	± (3,0% rdg. + 8 dgt.)
	2 ... 80 A	100mA	
Frequency range	50/60 Hz		
Non-contact voltage detect	100 ... 600 V AC		

3.3. Auto Power Off

The Meter will automatically shut itself off after approx. 7 minutes after power on.

3.4. Data Hold

To freeze the LCD meter reading, press the Data-Hold button. While data hold is active, the HOLD display icon appears on the LCD. Press the Data-Hold button again to return to normal operation.

Note:

The HOLD feature will activate when the backlight is turned on. Press HOLD key again to exit HOLD.

3.5. Backlight

The Backlight function illuminates the display and is used, when the ambient light is too low to permit viewing on the display readings. Press the HOLD button for < 2 seconds to turn the backlight on and press button again to turn the backlight off.

3.6. Zero button

For DCA Zero & Offset adjustment.



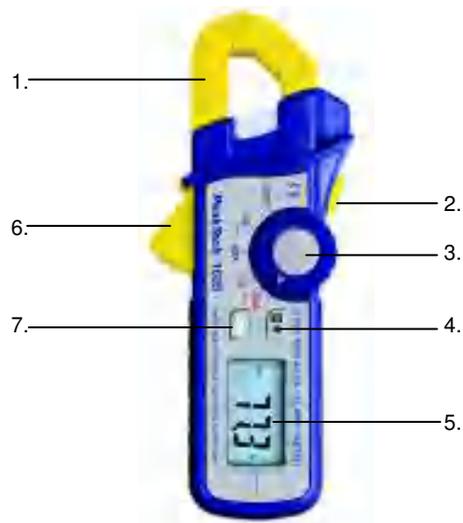
3.7. Voltage detector

Intended to check for the presence of AC voltage, signalling the user with flashing red LED.

3.8. Flash light

1. Press the red button on the upper side of the meter, a white flash will come out from the lighter near the clamp. It can be used for illumination.
2. Release the button, the light will off.

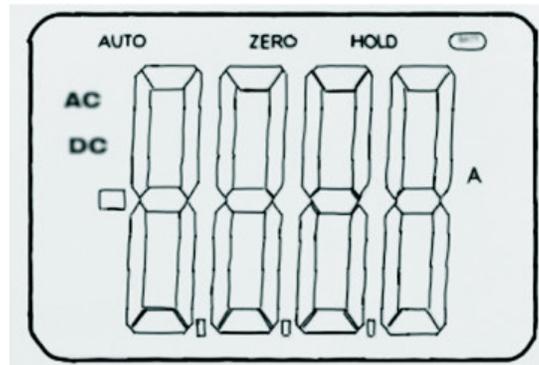
4. Front panel



1. Current clamp
2. Flash light button
3. Rotary function switch
4. Data Hold and backlight button
5. LCD-Display
6. Clamp trigger
7. Zero button

4.1. Display

(1)	AC DC	AC DC
(2)	-	Minus-sign
(3)	HOLD	DATA-Hold
(4)	BAT	Low battery indication



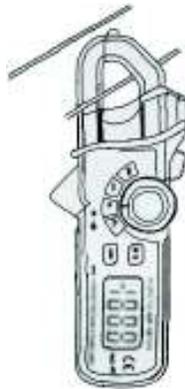
5. Operation

5.1. AC Current measurement

1. Set the function switch to the measuring range 2 A or 80 A AC
2. Press the trigger to open the transformer jaws and clamp one conductor only, make sure, that the jaw is firstly closed around the conductor, then read the reading from digital display.

5.2. DC Current measurement

1. Set the function switch to the measuring range 2 A or 80 A DC
2. Full compensate the residual magnetism by pressing Zero-key.
3. Press the trigger to open the transformer jaws and clamp one conductor only, make sure, that the jaw is firstly closed around the conductor, then read the reading from digital display.



CORRECT



WRONG

6. Battery replacement

Use the following procedure to replace the battery:

1. Turn the instrument power off.
2. Place the instrument face-down and remove the screw of battery compartment.
3. Remove the battery cover and remove the batteries.
4. Install new batteries and refit battery cover.

6.1. Statutory Notification about the Battery Regulations

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.



Batteries, which contain harmful substances, are marked with the symbol of a crossed-out waste bin, similar to the illustration shown left. Under the waste bin symbol is the chemical symbol for the harmful substance, e.g. „Cd“ for cadmium, „Pb“ stands for lead and „Hg“ for mercury.

You can obtain further information about the Battery Regulations from the Bundesministerium für Umwelt, Naturschutz und Reaktorsicherheit (*Federal Ministry of Environment, Nature Conservation and Reactor Safety*).

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This manual is according the latest technical knowing. Technical alterations reserved.

We herewith confirm that the units are calibrated by the factory according to the specifications as per the technical specifications.

We recommend to calibrate the unit again, after 1 year.

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