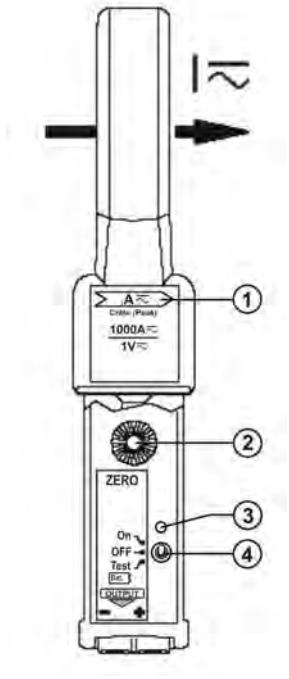
 Release 1.01 - 18/02/2009

USER MANUAL

SAFETY WARNING

- This note must be read in full. Any operations on live conductors can be dangerous
- The operator is expected to be fully aware of all necessary electrical safety regulations and procedures. Safe operation is this responsibility
- Never exceed the limit of voltage (600V) or current (1000A AC/DC) indicate in this manual
- When measuring current, if strong current nears to the clamp jaw, it will affect the accuracy
- While measuring current, always put the tested conductor in the center of clamp jaw so as to obtain a more accurate reading
- It is up to the user to ensure that the equipment is at all times in its original safe conditions
- Strong vibrations and impacts may cause damage to the instrument

INSTRUMENT DESCRIPTION



LEGEND:
1. Arrow which shows the current reference direction
2. ZERO adjustment thumbwheel
3. Red LED indicator
4. ON/OFF and battery test selector

Fig. 1: Instrument description

BATTERY REPLACEMENT

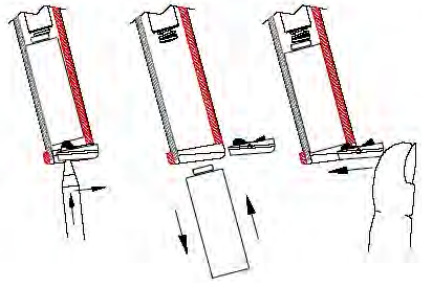


Fig. 2: Battery replacement operation

Consider the herewith steps to replace internal battery (for voltage <6V) (see Fig. 2):

1. Perform a little pressure on the hole on the top of battery cover by using e.g. a small screwdriver
2. Shift and detach the battery cover
3. Remove the battery and replace with a same type new one considering the correct polarity which is shown on clamp handle
4. Replace with a click the battery cover

TECHNICAL SPECIFICATIONS

Primary rates current:	1000A AC/DC FS	Dielectric strength:	5,5KV 50Hz 1min
Measuring range:	1A ÷ 1200A	Insulation:	Double insulation
Output signal:	1V AC/DC max	Overvoltage category:	CAT III 600V
Output ratio:	1000/1 → 1A = 1mV	Power supply:	1 x 9V battery type IEC 6F22
Accuracy:	±(1%reading + 0.5A)	Temperature range:	0° ÷ +50°C
Resolution:	100mA	Max diameter of cable:	52mm
External minimum load:	10kΩ	Dimensions (mm):	213(L) x 85(La) x 24(D)
Frequency bandwidth:	DC ÷ 20kHz (-1dB)	Weight:	Ca 0.6kg
Pollution degree:	2 according to IEC/EN61010-1	Output connection:	Hypertac connector

MEASUREMENT PROCEDURE

1. Connect clamp's output terminal to the inputs of the instrument to be used as indicator
2. Press and hold the ON/OFF selector on "**Test**" position and verify the red LED on. Replace the battery (see Fig. 2) if the red LED is off
3. Power on the meter by move the selector on "**On**" position. The red LED should be fixed on. Verify the zero at display of instrument to be used as indicator. If no move **ZERO** regulation trimmer on clamp before start the measurement
4. Open the clamp and put the tested conductor in the center of the clamp jaws. No gap is allowed between the connections of clamp jaws. Always consider the correct connection of clamp (see Fig. 1)
5. Read the current value in the indicator's display. Turn off the meter at the end of measurements

CAUTION: this symbol indicates that equipment and its accessories shall be subject to a separate collection and correct disposal