CLAMP MULTIMETER English Clamp Multimeter F205 You have just acquired an F205 clamp multimeter and we thank you. F205 For best results from your device : read this user manual attentively, • observe the precautions for its use. Meanings of the symbols used on the device Danger. The operator agrees to refer to this data sheet whenever this danger \wedge symbol is encountered. Application or withdrawal authorized on uninsulated or bare conductors at dangerous voltages. 1 * 9 V battery Γ 600V CAT IV BODA CE The CE marking indicates compliance with European directives. 1-2-30 Double insulation or reinforced insulation. Selective sorting of wastes for the recycling of electrical and electronic equipment within the European Union. In conformity with directive DEEE 2002/96/EC: this equipment must not be treated as household waste. (×) AC - Alternating current. \sim AC and DC – Alternating and direct current. ┶ Earth. Risk of electric shock.

Start Guide



Enalish

Clamp Multimeter F205

PRECAUTIONS FOR USE

This device complies with safety standards IEC-61010-1 and 61010-2-032 for voltages of 1000V in category III or 600 V in category IV at an altitude OF less than 2000m, indoors, with a degree of pollution not exceeding 2. These safety instructions are intended to ensure the safety of persons and proper operation of the device. If the tester is used other than as specified in this data sheet, the protection

provided by the device may be impaired.

- The operator and/or the responsible authority must carefully read and clearly understand the various precautions to be taken in use.
- If you use this instrument other than as specified, the protection it provides may be compromised, thereby endangering you.
- . Do not use the instrument in an explosive atmosphere or in the presence of flammable gases or fumes
- Do not use the instrument on networks of which the voltage or category exceeds those mentioned.
- Do not exceed the rated maximum voltages and currents between terminals or with respect to earth.
- . Do not use the instrument if it appears to be damaged, incomplete, or not properly closed
- Before each use, check the condition of the insulation on the leads, housing, and accessories. Any element of which the insulation is deteriorated (even partially) must be set aside for repair or scrapped.
- Use leads and accessories rated for voltages and categories at least equal to those of the instrument. If not, an accessory of a lower category lowers the category of the combined Clamp + accessory to that of the accessory.
- · Observe the environmental conditions of use
- Do not modify the instrument and do not replace components with "equivalents". Repairs and adjustments must be done by approved qualified personnel.
- Replace the battery as soon as the symbol appears on the display unit. Disconnect all cords before opening the battery compartment cover.
- Use personal protective equipment when conditions require.
- Keep your hands away from the unused terminals of the instrument.
- · When handling the test probes, crocodile clips, and clamp ammeters, keep your fingers behind the physical guard.
- As a safety measure, and to avoid repeated overloads on the inputs of the device, we recommend performing configuration operations only when the device is disconnected from all dangerous voltages.

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MEASUREMENT CATEGORIES

Definitions of the measurement categories :

CAT II: Circuits directly connected to the low-voltage installation. Example: power supply to household electrical appliances and portable tools.

CAT III: Power supply circuits in the installation of the building Example: distribution panel, circuit-breakers, fixed industrial machines or devices.

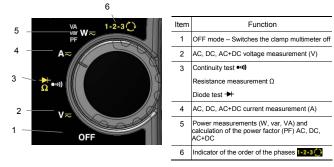
CAT IV: Circuits supplying the low-voltage installation of the building. *Example: power lines, meters, and protection devices.*

PRESENTATION 1

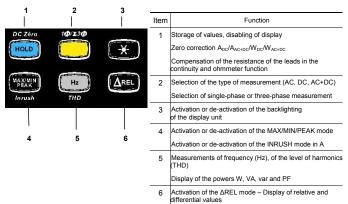


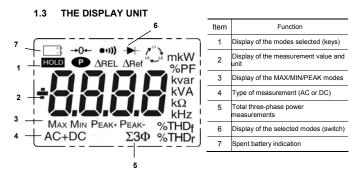
Item	Designation
1	Jaws with centring marks (see connection principles)
2	Physical guard
3	Switch
4	Function keys
5	Display unit
6	Terminals
7	Trigger

The switch has six positions. To access the Val. and Acc. and the switch to the desired function. Each setting is confirmed by an audible signal. The functions are described in the table below.



1.2 THE KEYS OF THE KEYPAD





1.3.1 The symbols of the display unit

Symbol	Designation
AC	Alternating current or voltage
DC	Direct current or voltage
AC+DC	Alternating and direct current or voltage
AREL	Relative value, with respect to a reference
∆Ref	Reference value
HOLD	Storage of the values and hold of the display
Max	Maximum RMS value
Vin	Minimum RMS value
Peak+	Maximum peak value
Peak-	Minimum peak value
Σ3Φ	Balanced total three-phase power measurement

English

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v	Volt
Hz	Hertz
w	Watt
A	Ampere
%	Percentage
Ω	Ohm
m	Milli- prefix
k	Kilo- prefix
var	Reactive power
VA	Apparent power
PF	Power factor
THD _f	Total harmonic distortion with respect to the fundamental
THD,	Total harmonic distortion with respect to the true RMS value of the signal.
()	Indicator of order to the phases
+0←	Compensation of the resistance of the leads
••1))	Continuity test
₩	Diode test
Р	Permanent display (automatic switching off de- activated)
*	Spent battery indicator

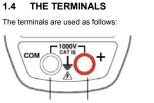
The display of "rdy", for "ready", indicates that the device is ready ("Indicator of order of the phases" function).

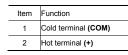
The O.L (Over Load) symbol is displayed when the display capacity is exceeded.



English

English





2 USE

2.1 COMMISSIONING

1

Insert the battery supplied with the device as follows:

2

- Using a screwdriver, unscrew the screw of the battery compartment cover (item 1) on the back of the housing and open it.
- Place the battery in the compartment (item 2), taking care to get the polarities right.
 Close the battery compartment cover and screw it to the housing.

