



# UT805 PHOTOVOLTAIC TEST SET

MEASUREMENT EQUIPMENT TO INSTALL, TEST AND CERTIFY PHOTOVOLTAIC PLANTS



- POSSIBILITY OF MEASURING SINGLE-PHASE AND THREE-PHASE PLANTS
- SIMULTANEOUS DISPLAY OF ALL MEASUREMENTS
- CALCULATION OF THE SOLAR PANELS' YIELD
- CALCULATION OF THE DC/AC CONVERSION'S YIELD
- PRINTING OF THE OUTCOME OF MEASUREMENTS FOR CERTIFICATION
- DATA LOGGER WITH STORAGE CAPACITY OF 1000 MEASURES
- PC INTERFACE RS232 and USB TO ENABLE TO HANDLE STORED DATA BY PC

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## UT 805

### Main Technical features

Monitor: 5.7" colour digital LCD resolution 320x240.

<u>MEASURE</u>	<u>DESCRIPTION</u>	<u>MEASURING RANGE</u>	<u>ACCURACY</u>
<u>Pyranometer:</u>	measurement of solar radiation	0 ÷ 2000 W/mq	± 2%
<u>Thermometer:</u>	Probe for air temperature	-30 ÷ +80 °C	± 1%
<u>Thermometer:</u>	Probe for module temperature	-30 ÷ +120 °C	± 1%
<u>Voltmeter DC:</u>	3 inputs to measure solar panels' voltage	f.s.1000V DC	± 0.5%.
<u>Amperometer DC:</u>	3 inputs to measure solar panels' current	f.s 200 A DC	± 0.5%.
<u>Voltmeter AC:</u>	3 inputs for inverter's output voltage	f.s 450V 50Hz	± 0.5%.
<u>Amperometer AC:</u>	3 inputs inverter's output current	f.s 200 A 50Hz	± 0.5%.
<u>Serial ports:</u>	RS232, USB2.0.		
<u>Calculation functions:</u>	Solar panels' yield with compensation of modules' temperature coefficient. DC/AC conversion's yield		
<u>Data logger:</u>	Acquisition and storage of 1000 measures, possibility of printing and discharge them into PC.		
<u>Power supply:</u>	Li-Ion batteries, external power supplier.		
<u>Size and weight:</u>	250mm x 200mm x 120mm; 2,5Kg approximately.		

#### Standard accessories

- N° 1 pyranometric probe for solar radiation.
- N° 1 PT100 probe for air temperature.
- N° 1 PT100 probe for photovoltaic modules' temperature.
- N° 1 probe pair for DC voltmeter and amperometer.
- N° 1 probe pair for AC voltmeter e amperometer.
- N° 1 power supplier
- User manual
- Aluminium case with handle for easy carrying.

#### Optional accessories

- Kit UT805 AC: for measurement of three-phase lines
- Kit UT805 DC: for measurement of three groups of solar panels