

TRMS WATTMETER



Function	U	I	W
Ranges	400Vrms single-phase 700Vrms 3-phase	20Arms	0.2 - 2 - 20kW
Accuracy in % of reading	1% from 0 to 50kHz	2% 0 ~ 20kHz 3% 20 ~ 50kHz	2% 0 ~ 20kHz 3% 20 ~ 30kHz 5% 30 ~ 70kHz
Protection	Electronic breaker	20A delayed fuse	
Impedance	1.5MΩ	<5mΩ	
Recopy outputs	10VDC/1000Vrms	10VDC/20Arms	10VDC/ 0,2kW - 2kW - 20kW



ref. WATTELEC

WATTELEC is a digital multimeter with floating inputs simultaneously displaying the 3 electric values: voltage, current and power. WATTELEC measures the TRMS effective values of the U I W measurements, possibly with direct component superimposed. The wide bandwidth of the apparatus allows measurements to be made from DC to 70kHz or on chopped signals (frequency converters, industrial choppers, rectified supplies etc.). The apparatus voltage and current inputs are insulated between each other and relative to earth. WATTELEC measures single phase and balanced three phase powers.

DISPLAY:

Height of digits 14mm (text: 6mm).
Power ranges are switched automatically.

INPUTS

Voltage inputs: Three floating potential voltage terminals, situated at the rear of the apparatus allowing either the application of an alternating, continuous or composite voltage, or a balanced three phase voltage.

These inputs are electronically protected against over voltages.

Max. voltage: 400Vrms single phase, 700Vrms three phase

Current inputs: Two floating potential current terminals, situated at the rear of the apparatus allowing the application of an alternating, continuous or composite current. I_{max} = 20A. The current input is protected by a delay fuse, allowing measurements on starting up a motor

RECOPY OUTPUTS

Voltage output: 0 to 10V DC signal for 0 to 1000Vrms entering.

Current output: 0 to 10V DC signal for 0 to 20Arms entering.

Power output: 0 to 10V DC for 0 to 0.2kW - 0 to 2kW - 0 to 20kW; these three ratings are switched automatically.

Important: these three outputs are insulated from the voltage and currents applied to the input terminals of the apparatus.

OTHER CHARACTERISTICS

A switch on the front panel selects the mode single or three-phase.

A reset button allows to reset the displays when the maximum voltage is exceeded.

Input and outputs through 4mm safety terminals

Dims: 375 x 80 x 275 mm - 5kg

Supply: 220-240VAC 50Hz 30VA.