

PHOTON-3 PORTABLE DEVICE FOR MEASURING THE SOLAR CELL AND PHOTOVOLTAIC MODULE PARAMETERS



Areas of Application

The device is designed to measure the parameters of solar cells and photovoltaic modules with a power up to 200 W in standard spectral conditions (AM0, AM1.5) using solar or artificial illumination

Advantages

There are no analogs in Ukraine. In comparison with the existing world counterparts the device can display measurement and calculation results on the built-in LCD screen; is able to operate both independently and with external computer connected via USB

Specification

Voltage measurement ranges, V	0–10, 0–20, 0–50
Current measurement ranges, A	0–0.25, 0–1, 0–8
Measurement duration, s	≤4
Dimensions, mm	250×160×90
Relative errors of measurement results, %:	
current	<±1.5
voltage	<±0.3
maximum electric power	<±2.0
efficiency	<5.0

Stage of Development.

Suggestions for Commercialization

IRL6, TR15

Manufactured upon request

IPR Protection

IPR1

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