



PRO 20PV SOLAR MPPT METER

INTRODUCTION

The **Metravi Pro 20PV Solar MPPT Meter** can effectively identify any abnormalities in solar panels by testing their Maximum Power, Peak Power Voltage, Peak Power Current, Open Circuit Voltage, and Short Circuit Current.

Featuring a large display and automatic measurement capabilities, this device conveniently displays all measurement results simultaneously. Its portable design enables easy carrying, greatly enhancing the operational and maintenance efficiency for Photovoltaic and Solar Panel manufacturers, installers, and end users.

FEATURES

- Maximum Power Test (Pmax): 5 ~ 800W
- Peak Power Voltage (Vmp): 12 ~ 60V
- Peak Power Current (Imp): 0 ~ 35A
- Open Circuit Voltage (Voc): 12 ~ 60V
- Short Circuit Current (Isc): 0 ~ 35A
- **Large screen and multiple result display:** A single measurement that displays all essential test values can significantly enhance work efficiency.
- **No batteries needed, powered by the solar panel:** There is no requirement for batteries as the measurement can be effortlessly performed for extended periods.
- **Equipped with MC4 test lead:** With the MC4 connector already included, there is no need for additional solar panel connectors. This enables quick and efficient measurements to be performed effortlessly.
- **Portable and convenient:** With its portable and lightweight design, this meter provides operators with convenience and ease of use, making it an incredibly versatile and indispensable tool for a wide range of tasks.
- **Certifications:** CE, cETLus, RoHS





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TECHNICAL SPECIFICATIONS

SPECIFICATION	RANGE	ACCURACY	RESOLUTION
Max power measurement	5~800W	$\pm(1.0\% + 10)$	0.1W
Max power current(DC)	0~35A	$\pm(1.5\% + 5)$	0.1A
Max power voltage(DC)	12~60V	$\pm(1.5\% + 5)$	0.1V
Open circuit current(DC)	12~60V	$\pm(1.5\% + 5)$	0.1V
Short circuit current(DC)	0~35A	$\pm(1.5\% + 5)$	0.1A

GENERAL SPECIFICATIONS

Display	Large LCD (52 x 66 mm)
Protection	Protection against reverse polarity connections Over-voltage protection Over-current protection Over-temperature protection Over-power protection
Test Modes	Manual / Auto
Over Range Indication	Available
Data Hold	Available
Power Supply	No battery needed, powered by the solar panel under test
Certifications	CAT 0 60V, CE, cETLus, RoHS, Pollution Degree 2
Drop Proof	1m
Operating Altitude	$\leq 2000\text{m}$
Operating Temperature	18°C to 28°C (64°F to 82°F)
Storage Temperature	-10°C to 50°C (14°F to 122°F)
Relative Humidity	$\leq 75\% \text{ RH}$ (0° to 30°C); $\leq 50\% \text{ RH}$ (30° to 40°C)
Dimensions	142 x 76 x 22 mm
Weight	Approx. 154 gms



*Technical Specifications & Appearance are subject to change without prior notice