

PHOTOVOLTAIC INSTALLATION MEASUREMENTS		
Function	Measuring range	Basic accuracy
Voltage	0 V DC ... 999 V DC 0 V AC ... 999 V AC I-V m.: 0 V DC ... 999 V DC	±(1.5 % of reading + 5 digits) ±(1.5 % of reading + 3 digits) ±(2 % of reading + 2 digits)
Current	Panel m.: 0.0 mA ... 300 A DC Invert. m.: 0.0 mA ... 300 A AC I-V m.: 0.00 A ... 15 A DC	±(1.5 % of reading + 5 digits) ±(1.5 % of reading + 3 digits) ±(2 % of reading + 3 digits)
Power	Panel m.: 0 ... 200 kW I-V m.: 0 ... 15 kW	±(2.5 % of reading + 6 digits) ±(3 % of reading + 5 digits)
Energy	0.000 Wh - 1999 kWh	
U / I curve	1000 V / 15 A / 15 kW	
Harmonics	up to 11 th	
Irradiation	0 ... 2000 W/m ²	±(5 % of reading + 5 digits)
Temperature	-10 °C ... + 85 °C	± 5 digits

ELECTRICAL INSTALLATION MEASUREMENTS		
Function	Measuring range	Basic accuracy
Insulation resistance (EN 61557-2)	U = 50, 100, 250 VDC: R: up to 199.9 MΩ U = 500 VDC, 1 kVDC: R: up to 999 MΩ	±(5 % of reading + 3 digits) ±(5 % of reading + 3 digits)
Continuity, 200 mA (EN 61557-4)	0.00 Ω ... 1999 Ω	±(3 % of reading + 3 digits)
Continuity, 7 mA	0.0 Ω ... 1999 Ω	±(5 % of reading + 3 digits)
Loop impedance (EN 61557-3)	0.00 Ω ... 9.99 kΩ	±(5 % of reading + 5 digits)
Line impedance (EN 61557-3)	0.00 Ω ... 9.99 kΩ	±(5 % of reading + 5 digits)
Voltage	0 VAC ... 550 VAC	±(2 % of reading + 2 digits)
Frequency	0.00 Hz ... 499.9 Hz	±(0.2 % of reading + 1 digits)
Phase sequence (EN 61557-7)	1.2.3 or 3.2.1	
RCD testing (EN 61557-6)	IΔN: 10 mA, 30 mA, 100 mA, 300 mA, 500 mA, 1 A	
- Contact voltage UC	0.0 V ... 99.9 V	(-0 % / +15 %) of reading
- Trip-out time	0 ms ... max. time	±1 ms
- Trip-out current	0.2 x IΔN ... 2.2 x IΔN	±0.1 x IΔN
Earth resistance (EN 61557-5)	0.00 Ω ... 9999 Ω	±(5 % of reading + 5 digits)
General	Main unit	Remote unit
Display	128 x 64 dots matrix display with backlight	
Power supply	6 x 1.2 V NiMH batteries, type AA	
Overvoltage category	CAT II / 1000 VDC; CAT III / 600 V; CAT IV / 300 V	
Protection class	double insulation	
COM port	RS232, USB, BT optional	RS232
Dimensions	230 x 103 x 115 mm	140 x 230 x 80 mm
Weight	1.3 kg	1.0 kg