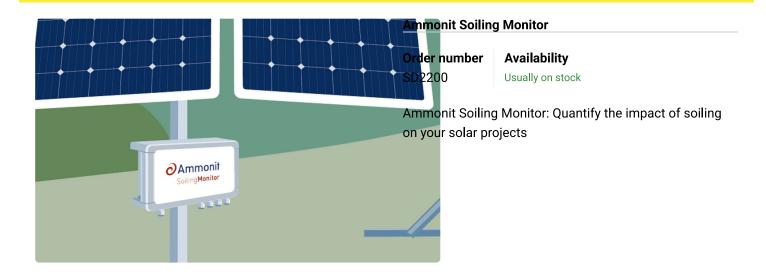




Ammonit Soiling Monitor

SD2200



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Description

Quantify the impact of soiling on your solar projects with our next-generation, IEC 61724 compliant Ammonit Soiling Monitor

- Compliance with IEC 61724 ensures high performance and bankability
- · Switched Measurement for higher accuracy: Switches to short-circuit current only during measurement times span as required by the IEC
- Broad Compatibility: Works with various solar module types and sizes
- Flexible Data Analysis: Works best with AmmonitOR for easy data analysis
- Enhanced Accuracy: Features now active temperature sensors
- System Requirement: Only for Ammonit Meteo-42 data logger









Specifications

I-U Conversion and Control Box

General Information

Switched Measurement Switches to short circuit only during

measurement as required by IEC

Electrical Characteristics

Continuous Current 15 A

Peak Current 40 A

Shunt Resistance 50 mΩ

Shunt Tolerance 1 %

Shunt Temperature Coefficient < 50 ppm/K (20 ... 60 °C)

48 V Max. Input Voltage

Supply voltage 12 ... 28 V (DC)

Max. supply current 50 mA

Physical & Environmental

IP Class IP65

Dimensions 160 x 100 x 81 mm

Cable length 10 m

Active Surface Temperature Sensor

Sensor Type Pt 100 class B

Sensor Capture Silicon rubber patch

Temperature Range -50 ... 150 °C

12 ... 28 V (DC) Supply voltage

0 ... 10 V Output voltage

1.0 K (@ -40 ... +80 °C) Measurement Uncertainty

Dimensions 40 x 13 x 5 mm

Cable length 10 m











The table below shows the data for the 12 V/50 W Solar Modules provided by Ammonit. Please note that the Soiling Monitor is compatible with other solar modules within the specifications and limitations of the I-U Conversion and Control Box.

Solar Module (50 W / 12 V)

Module Type Monocrystalline

Standard Test Conditions (STCs) 1000 W/m² 25 °C Solar irradiance

Cell temperature

Peak Power (Pmax) 50 W

Short Circuit Current (Isc) 3.07 A (up to 15 A)

Temperature Coefficient of Isc (TK ISC) 0,081 %/°C

650 x 505 x 35 mm Dimensions

Weight approx. 4.8 kg (without cable)







