


DustIQ


PV soiling monitoring

The new DustIQ is a sensor without moving parts, does not need cleaning and uses a breakthrough technology to accurately measure soiling. This fundamental new Optical Soiling Measurement (OSM) technology provides you with insights into the power loss due to soiling. With a network of DustIQs you will know exactly when it is time to clean and where on the plant.






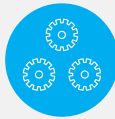
Patented unique new technology



Small panel with solar industry proven materials



Flexible mounting to fit everywhere



Cost-effective solution allowing for multiple points of measurement

Preliminary specifications

Soiling ratio's	2 sensor values 50 to 100 %
Soiling ratio measurement accuracy	
90 to 100 %	± 1 %
80 to 90 %	± 2 %
50 to 80 %	± 5 %
	after post-processing
Stability	auto calibrating, better than ±1 % of full scale per year
Connections	1 - RS-485 Modbus® to host
Voltage range	2 - daisy chain to next device or PV panel temp sensor 10 to 30 V DC
Current range	70 to 200 mA
Power consumption max.	< 2 Watt
Ambient operating temperature	-20 to +60 °C
Glass type	standard PV panel glass with all coatings and laminates
Instrument dimensions	990 x 160 x 40 mm
Instrument weight	4 kg
Optional PV panel temperature sensor	-20 to +100 °C, ± 1 °C



ISO Quality Certified Company

All specifications are subject to change without prior notice.
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