

Suntrol® Data Logger



STL 200 (BT)



STL 400 (BT)



STL 800 (BT)

The Suntrol Data Logger enables comprehensive monitoring of the SolarWorld solar power system. It comes in three variants, which are used depending on the size and scope of the solar power system. The Data Logger is connected to the inverter of the solar power system via an RS485 interface or, optionally, via Bluetooth. When used in conjunction with the Suntrol Portal you can monitor the performance of the solar power system, the inverters, the yield forecast and degradation calculations online and at any time via smart phone or PC.

PRODUCT COMPARISON

	STL 200 (BT)*	STL 400 (BT)*	STL 800 (BT)*
Inverter communication/Inverter = Inv.			
Max number of inv.	2	10	100
Communication interface	RS485	RS485	2 x RS485
Cross-system inv. operation	No	No	Yes
Maximum cable length	0.6 miles	0.6 miles	0.6 miles
Compatible with all common inverters	Yes	Yes	Yes
*Bluetooth (optional)	Yes	Yes	Yes
System monitoring			
String monitoring (dependent on the inv. model)	Yes	Yes	Yes
Inverter failure	Yes	Yes	Yes
Performance monitoring per inv.	Yes	Yes	Yes
Status/Error monitoring	Yes	Yes	Yes
Sensor connection (irradiation/2 x temp./wind)	No	No	Yes
Email and SMS alarm**	Yes	Yes	Yes
Local alarm (voltage-free contact)	No	No	Yes
Yield analysis	Yes	Yes	Yes
Degradation calculation	Yes	Yes	Yes
Visualization			
Integrated web server	Yes	Yes	Yes
Graphical visualization – local PC	Yes	Yes	Yes
Graphical visualization – USB stick	No	No	Yes
Graphical visualization – Internet	Yes	Yes	Yes
LED status	Yes	Yes	Yes
Double-spaced display/graphical touch screen display	Double-spaced display	Double-spaced display	Graphical touch screen display
Large display RS485/SO-impulse	Yes/Yes	Yes/Yes	Yes/Yes
Interfaces			
Ethernet network	Yes	Yes	Yes
USB stick	No	No	Yes
Analog modem/GPRS (GSM)/DSL	No	No	Yes
Voltage-free contact (relay)	No	No	Yes
Alarm contact (theft)	No	No	Yes
SO impulse in/out	Yes	Yes	Yes
General data			
Grid voltage/device voltage	120 V/12 V	120 V/12 V	120 V/12 V
Energy consumption	3 W	3 W	3 W
Ambient temperature	14°F to 122°F	14°F to 122°F	14°F to 122°F
Housing	Plastic	Plastic	Plastic
Dimensions (L x W X H) inches	8.27/7.87/1.57	8.27/7.87/1.57	8.27/7.87/1.57
Installation	Wall mounting	Wall mounting	Wall mounting
Protection degree	IP 20 (for indoor use only)	IP 20 (for indoor use only)	IP 20 (for indoor use only)
Warranty	24 month	24 month	24 month

SCOPE OF DELIVERY

STL 200 and 400 (BT)	STL 800 (BT)
> Suntrol base device	> Suntrol base device
> 12 volt power supply unit	> 12 volt power supply unit
> Connection plug with terminal for RS485 interface	> Connection plug with terminals for all sockets (except Canbus), (2 x 6 pole, 1 x 4 pole, 2 x 3 pole)
> User manual	> User manual

Details may vary, depending on the device model.

** Installation by the respective provider.