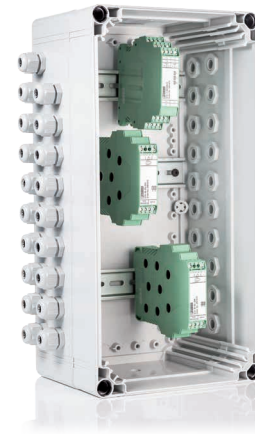


Solar-Log™ String Monitoring Box (SMB)

String monitoring at large plants offers the best way to prevent failures. The Solar-Log™ String Monitoring Box, in combination with the Solar-Log 2000 and the Solar-Log™ WEB “Commercial Edition” provides the optimal solution when upgrading to string monitoring. The Solar-Log™ SMB is employed if the SCB which is already present only links the strings but does not monitor them.



The Solar-Log™ SMB is a two-part monitoring system that consists of:

Solar-Log™ SMB-C

Control Unit for the communication with the Solar-Log™ including measuring unit for 16 strings.

Solar-Log™ SMB-M

Measuring unit for 16 strings.

The Solar-Log™ SMB-M has always be connected to a Solar-Log™ SMB-C. That is why every plant has to have at least one Solar-Log™ SMB-C. That means a maximum of 16 strings can be monitored from the Solar-Log™ SMB-C, with an additional 16 strings from each attached Solar-Log™ SMB-M (maximum 3 SMB-M per SMB-C). This results in a total of 64 strings that can be monitored. Up to 31 Solar-Log™ SMB-Cs can be connected to a Solar-Log™ RS485 interface and in total 60 SMB-Cs and SMB-Ms can be connected together. Note that the Solar-Log™ SMB can only be used with the Solar-Log™ WEB “Commercial Edition” and needs a 24 V power supply.

Product comparison	Solar-Log™ SMB-C	Solar-Log™ SMB-M
Measuring number of strings		2 x 8 Strings
Measuring range per string		0 – 20 A, < 1% tolerance
Diameter for the cables		10 mm
Temperature range		-20 °C to +70 °C
Protection Class		IP65
Dimensions in mm		300 x 400 x 200
Power supply	23 VDC – 30 VDC	Via Solar-Log™ SMB-C
Power consumption	Max. 800 mA	Via Solar-Log™ SMB-C
Warranty	1 year	1 year

Article number

Solar-Log™ SMB-C	255427
Solar-Log™ SMB-M	255428