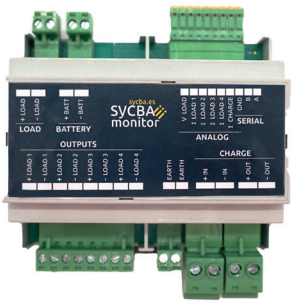
DATASHEET

SYCBA MONITOR 3.1

SYCBA monitoring system

Description



SYCBA MONITOR 3.1 is designed to easily survey stand-alone power supply systems, using commercial data acquisition systems.
It is particularly suitable for monitoring equipment with a steady working behavior, such as aviation obstruction lights or systems with heated sensors.

SYCBA MONITOR 3.1 takes the power supply and distributes it through its four (4) different individual loads.
The system measures the voltage of the supply system, the current for all the connected loads and charge current for the backup battery of the stand-alone supply system.

The **device then returns each of the measured** values using the 6 analogue outputs or through a RS485 serial communication.

SYCBA MONITOR 3.1 is a device specifically developed to monitor the consumption and power system of equipment powered by direct current through autonomous power systems.
The typical application is to monitor the load and consumption operation of systems with photovoltaic (or mini- wind) power and with batteries to 12/24 VDC power devices.

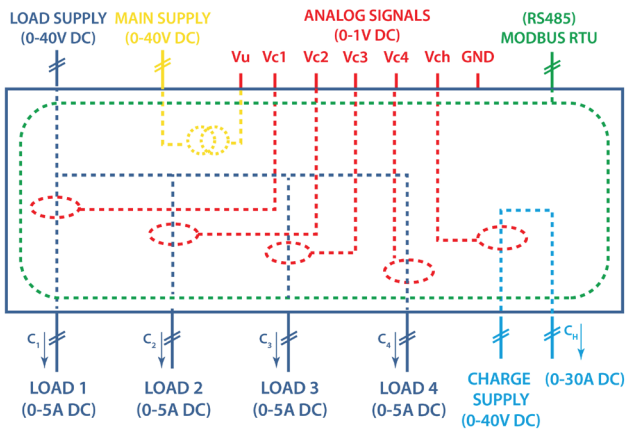
SYCBA MONITOR 3.1 is a measurement module designed to transmit data via cable. It lacks a telemetry system for data transmission and does not include internal data storage. However, it has been engineered to send signals to compatible devices equipped with data storage and transmission capabilities.

SYCBA MONITOR 3.1 is prepared to internally distribute the power supply of the devices to be monitored (maximum 4 devices), without the need for bridges or external connections.

The measurement system, by means of transducers, is galvanically isolated so that the measurement part can never interfere with the measured equipment.

Operation

SYCBA MONITOR 3.1 measures up to 6 different parameters: the consumption current of up to 4 devices, the supply voltage and the charging current of the system.



Specifications

Model	SYCBA Monitor
Code	SYC-MON
DC Power	0 VDC - 40 VDC
System Supply	9 VDC - 32 VDC
Parameter monitored 1	System voltage (0VDC - 40VDC)
Parameter monitored 2	Current for load 1 (0ADC - 5ADC)
Parameter monitored 3	Current for load 2 (0ADC - 5ADC)
Parameter monitored 4	Current for load 3 (0ADC - 5ADC)
Parameter monitored 5	Current for load 4 (0ADC - 5ADC)
Parameter monitored 6	Current for charge (0ADC - 50ADC)
Analogue output signals	6 signals of 0 - 1 VDC
Serial RS485 output signal	ModBus RTU protocol
Ambient Temperature	-10 °C to 60 °C
Overall Size(mm)	(H L W) 55mm x 105mm x 90mm
Installation	DIN rail
Weight	0.220 Kg