

TECHNICAL SPECIFICATIONS

Operating	ST107
Power source voltage range	6 - 35 V
Temperature range	-20 – +70 °C
Power consumption at 12 V	
Operating	3,5 mA
Voltage measuring channels	35 mA
Resistive measuring channels	18 mA
Relay (monostable)	5 mA
Maximum Operating Current	
Maximum Common Input Voltage	±0,01 A
Voltage inputs	±0,01 A
Range	±0,1 A
Resolution	±0,01 A
Accuracy	±0,1 °C / °F
Sampling rate	
Resistance inputs	
Range	0 Ohm – 65 kOhm
Accuracy	± 3,0%
Connectivity	Up to
Voltage sensors (voltage drop/tank level)	3
Resistive inputs (tank level/temperature)	4
Relay Common Input (COM)	1
Relay Output Normaly Open (NO)	1
Relay Output Normaly Closed (NC)	1
SiCOM RJ9 Sockets	2
Installation and Dimension	
Dimensions (length x width x depth)	110 x 70 x 30 mm
Battery Connection	M 10 bolts

ST107

TANK LEVEL and VOLTAGE MODULE



3x Tank level sensor with analog output

- or battery voltage,
- or custom user sensors (with voltage output).

2x SiCOM data connection port.

Allows additional connections (Daisy chain).

Simarine's ST107 Digital tank module is a highly versatile module. It can measure any liquid level. The ST107 can also be used to measure voltage, current or temperature

The ST107 can monitor up to:

- 7 tank levels,
- or 3 battery voltages,
- or 4 temperatures.

4x Tank level sensor with resistance output

- or temperature sensors (1k NTC, 5k NTC, 10k NTC).

Programmable Alarm Signal Relay

- Trigger on:
 - State of charge,
 - (Battery) Time to go,
 - Tank level,
- Voltage input measurement,
- Current input measurement,
- Barometric trend,
- Temperature.