Monitoring sticks

autarco

Autarco offers three kinds of monitoring sticks for connecting Autarco inverters to the internet, ensuring data is succesfully submitted to Autarco for use in the Smart Asset Management service. Receiving the inverter messages is a crucial part of Autarco's ability to do pro-actively monitoring and offer insight on performance for installer and owner in our portal.

S2.WIFI-STICK-D
✓ Low cost, simple install, 2-way communication
✗ WiFi connection possibly unstable

S2.ETHERNET-STICK
✓ Low costs, reliable
✗ Additional cabling required

S2.GPRS-STICK-D
✓ Reliable connection, 2-way communication
✗ Additional costs for data
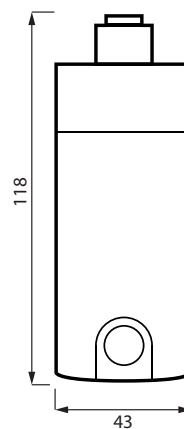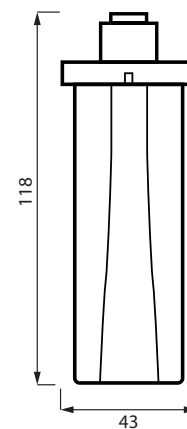
QUALITY CERTIFICATES

◆ FCC, CE

$C\epsilon$

GENERAL CHARACTERISTICS

Max. number of inverters	1
Inverter connection	4 pin
Inverter communication	RS485
Operating voltage	5V DC
Max. current	70 A (at 60°C)
Data collection intervals	5 minutes
Preferences setting	Web server / SMS
Warranty	2 years
IP rating	IP65

WiFi stick

118

43

GPRS stick

118

43

Ethernet stick

102

43
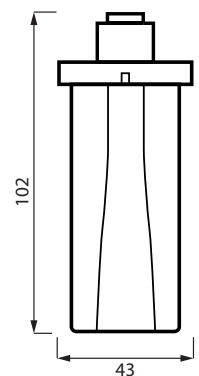
PHYSICAL PROPERTIES

	S2.WIFI-STICK-D	S2.ETHERNET-STICK	S2.GPRS-STICK-D
Dimensions (W x H x D)	118 x 43 x 20	102 x 43 x 43	118 x 43 x 43
Weight (g)	50	50	50
Operating current (mA)	200-300	110-200	160-500

DATA CHARACTERISTICS

Connection type	Wireless (Wi-Fi)	Cabled (RJ45)	Wireless (Sim Data)
Connection to	Router	Router	Satellite (GPRS)
Smart Home capability	No	No	No
Unobstructed range	100m	Cable 50m	N/A
Frequency	2.412GHz-2.484GHz	N/A	850/900/1800/1900MHz
Communication rate	9600bps	1200-9600bps	9600bps
Remote communication	Wi-Fi (802.11 b/g/n)	Ethernet 10/100MBps	GPRS class 12
Antenna	I-PEX antenna	I-PEX antenna	I-PEX antenna
Firmware updates	Serial port	Ethernet	Serial port
Data storage	8mbyte flash	8mbyte flash	8mbyte flash
Data interval	5min	5min	5min
Preference Setting	Web Server	Web Server	SMS

ENVIRONMENTAL CHARACTERISTICS

Operating temperature	-10°C to +85°C	-10°C to +85°C	-10°C to +85°C
Operating humidity	-10% to 90% Relative humidity, no condens		
Storage temperature	-40°C to +125°C	-45°C to +125°C	-40°C to +125°C
Storage humidity	<40%		

The specifications contained in this datasheet may deviate slightly from our actual products due to on-going product improvement and are subject to change at any time without prior notice.

Solar Panel

Cables

Inverter

autarco

Mounting system

Monitoring device