METSyS Current logger
and Application Software

Quick Start

or search 'METSYS' in App Store or Google Play

Download on the **App Store**

GET IT ON **Google Play**

# Safety Information

⚠ Refer to documentation:

Do not apply around or remove from HAZARDOUS LIVE conductors without additional protective means.
"Additional protective means" can be de-energizing the circuit or wearing protective clothing suitable for high voltage work.

• This product must be installed and commissioned only by qualified personnel using applicable safety precautions.
• Always de-energise circuit under test before this product is installed.
• The applicable national standards and regulations must be adhered to during the installation, maintenance and operation of this product.
• Use caution during installation of this product; high voltages and currents may be present in parts of the module (e.g. power supply, primary conductor, output connections).
• Always inspect the unit and connecting cable for damage before using this product, do not use if damaged.

Before starting please ensure your Current logger is fully charged

Features and connections
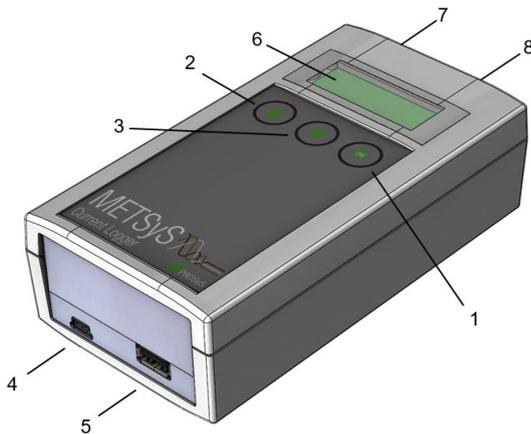
1. On/Enter button
2. Up button
3. Down Button
4. Charging Socket (USB micro-B)
5. Memory Stick Socket (USB A)
6. Display
7. Probe Socket (10-pin)
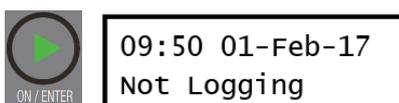8. Energy Harvesting Socket (3-pin)

Initial Setup

- Connect flexible probe to Probe Socket (7)

- Ensure unit is fully charged and if required logging period is greater than 72 hr connect the Current logger has an additional power source connected Power adaptor via the Charging Socket (4) or Energy harvesting probe via 3 pin socket (8)

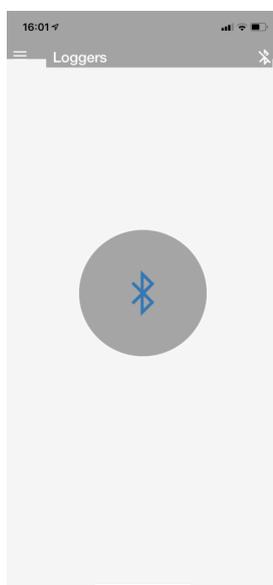- Install flexible current probes around cable to be measured

Setting Up the logger using the App

- Download the METSyS Current Logger App on to your smart phone or tablet (use QR code)

- Connect you device to the Current logger by opening the App and enabling Bluetooth connection on the Current logger using the sequence below:
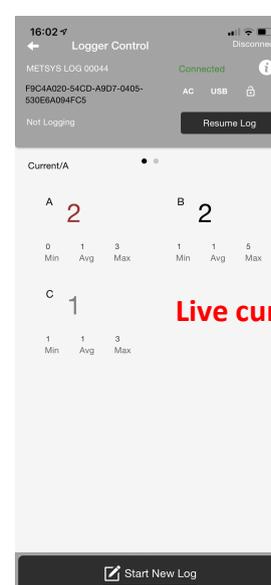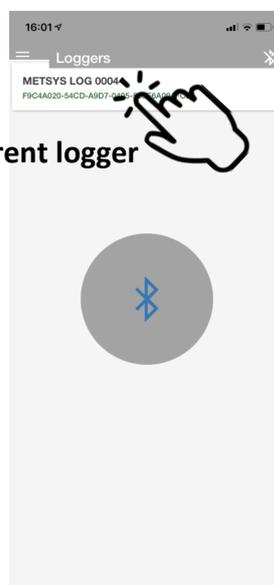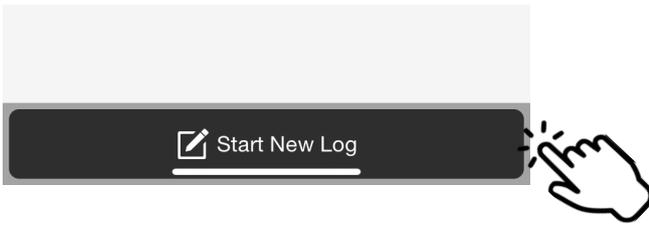
Turn on Current Logger and wait for this display


```
09:50 01-Feb-17
Not Logging
```

Turn on Bluetooth


```
Bluetooth     ON▶
Advertising    
```


Select Current logger

Live current readings

Start a new log

Start New Log

Set log options

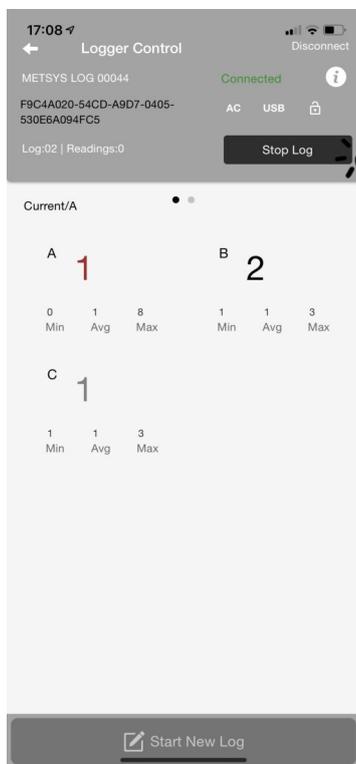| 16:02		
Label	Please enter Label	
Interval	1 Minute	▼
Duration	72 Hours	▼
Neutral	OFF	

Cancel | Start
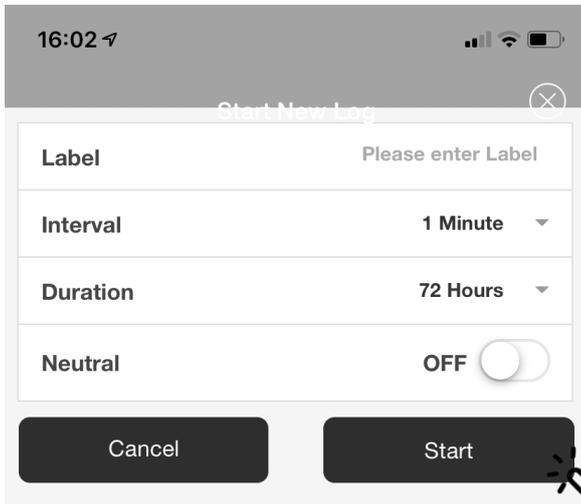
Label

Upper and lower case letter and numbers and the following symbols allowed ( ) - _
(No spaces allowed)

Neutral

Option can be selected when used with 4 Phase Flexible Probe

Start Logging

During logging

17:08		
← Logger Control		Disconnect
METSYS LOG 00044	Connected	ⓘ
F9C4A020-54CD-A9D7-0405-530E6A094FC5	AC USB	🔒
Log:02	Readings:0		Stop Log

Current/A

A	**1**	B	**2**
0 Min	1 Avg	8 Max	1 Min	1 Avg	3 Max

C	**1**
1 Min	1 Avg	3 Max

Start New Log

Once logging the App can be closed

Logging can be stopped by selecting

Stop Log

Logger display during logging

```
09:50 01-Feb-17
Log3        326
```
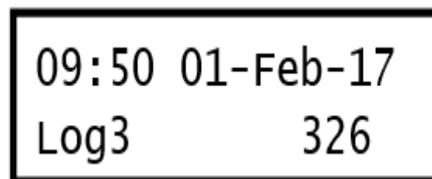
Time and Date

Log# and number of readings

Start logging using logger

▼ x2 | `Start New Log ▶` | ► ON/ENTER | `09:50 01-Feb-19 ▶`
 `Log3            0`

Stop logging using logger

▼ | `Stop Logging ▶` | ► ON/ENTER | `Stop Logging  Y▲`
 `Are You Sure? N▼` | ▲

Transferring log file to USB (.csv format)

▼ x4 | `Copy Log to USB ▶`

► ON/ENTER | `Copy Log to USB`
 `Please Wait...`

View logged Data using MS Excel, Google Sheets or similar

	A	B	C	D	E	F	G	H	I	J	K
1	Time	IA Avg	IB Avg	IC Avg	IA Min	IB Min	IC Min	IA Max	IB Max	IC Max	
2	04/02/2019 17:10	1	1	1	0	1	1	3	4	4	
3	04/02/2019 17:11	1	1	1	0	1	1	3	4	4	
4	04/02/2019 17:12	1	1	1	0	1	1	3	4	3	
5	04/02/2019 17:13	1	1	1	0	1	1	3	4	4	
6	04/02/2019 17:14	1	1	1	0	0	1	3	3	5	
7	04/02/2019 17:15	1	1	1	0	1	1	2	4	3	
8	04/02/2019 17:16	6	3	2	0	1	1	15	7	6	
9	04/02/2019 17:17	13	5	3	13	5	2	13	6	4	
10	04/02/2019 17:18	13	5	3	13	5	2	13	6	5	
11	04/02/2019 17:19	13	5	3	13	5	2	13	7	5	
12	04/02/2019 17:20	13	5	3	13	5	2	13	6	4	
13	04/02/2019 17:21	13	5	3	13	5	2	13	7	4	
14	04/02/2019 17:22	13	5	3	13	5	2	13	6	4	
15	04/02/2019 17:23	13	5	2	13	5	2	13	6	5	
16	04/02/2019 17:24	13	5	2	13	5	2	13	6	4	

Data provided:

Date / Time

I average for data period

I min for data period

I max for data period

Note:

A = L1 B = L2 C = L3