www.geomatrix.co.uk
sales@geomatrix.co.uk
Tel: 01525 383438

Syscal Monitoring Unit (SMU) Data Sheet

The Syscal monitoring Unit is an automated system designed to allow the operator to remotely manage the recharging of the Syscal Pro transmitter and receiver batteries during a monitoring survey. The SMU connects the Rx and Tx batteries to an alternative source of power (solar panel, wind turbine, isolated charger, ethanol fuel cell) when the Syscal is not acquiring. During the acquisition, the external power supply is remotley disconnected from the Tx and Rx batteries to avoid any leak of current that would perturbate the measurements.



Programs:

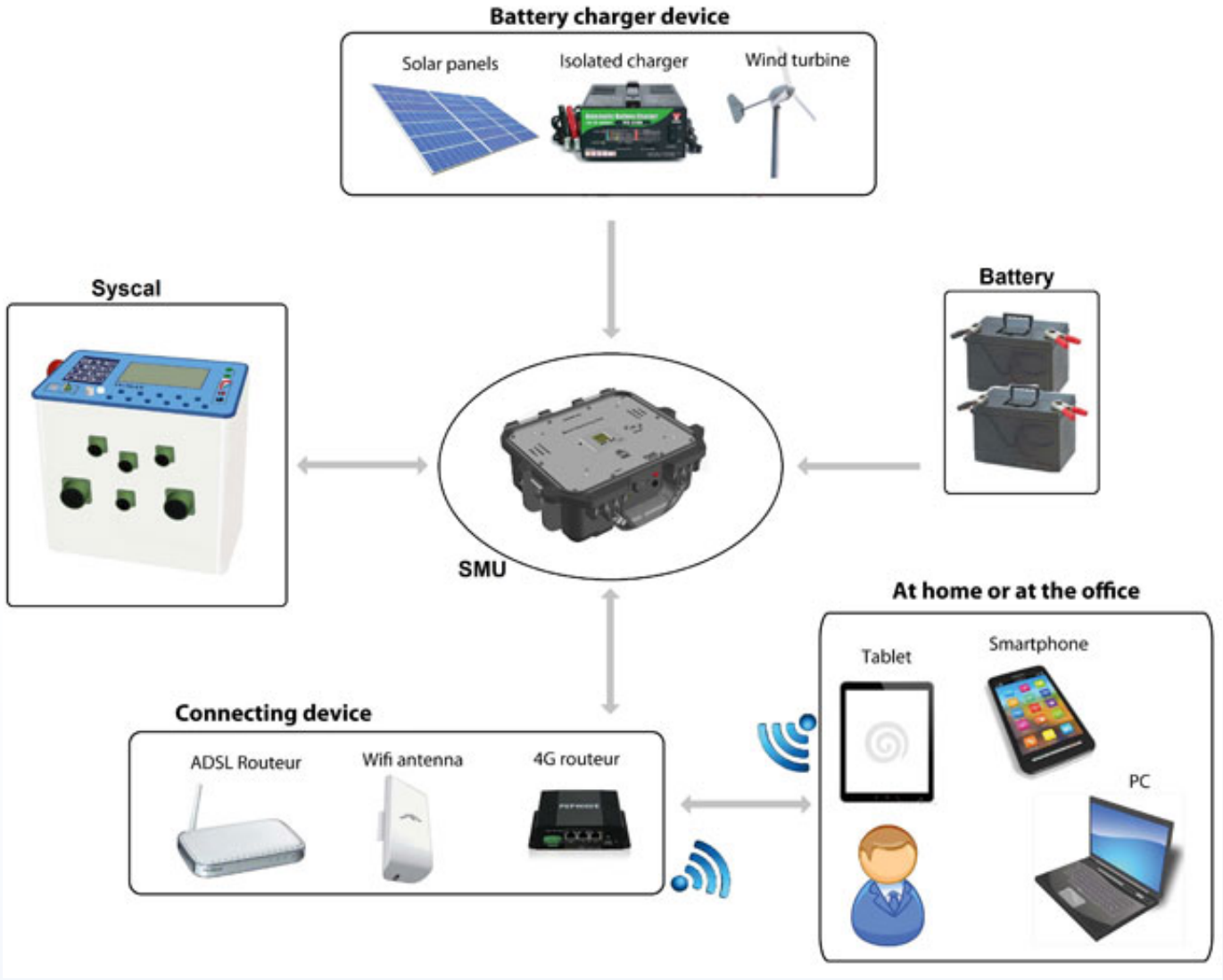
- An independent programmer that must be programmed on site
- A automated system activated by the programmer that can be accessed and programmed remotely from a webpage (4G, Wifi, Ethernet)

Features:

- Change the time of acquisition
- Upload sequences to the Syscal Pro from your office
- Choose to receive alerts (low Tx battery, too much erroneous measurements, problem to download the data) to an email account.
- Program the SMU to automatically upload datasets to a FTP or SSH server.

Geomatrix Earth Science Limited, Unit 20 Eden Way, Pages Industrial Park, Leighton Buzzard, Bedfordshire, LU7 4TZ

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SMU schematic diagram illustrating how the unit is installed.

Product Dimensions

Physical	Dimensions (L x W x H)	Weight
(instrument only)	31cm x 25cm x 15cm	3.4kg

Technical Specifications

Voltage for charge:	12 V
Max. current for charge:	10A

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Power:	250W DC/DC
Battery:	external 12V
Current:	0 - 2500 mA
Voltage:	0 - 1600 Vpp

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