MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia
VAT: SR105917343 Registration No. 20490918
Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com
www.mikroe.com

BATT-MON 4 Click





PID: MIKROE-5092

BATT-MON 4 Click is a compact add-on board representing an advanced battery monitoring solution. This board features the LTC3337, a primary battery state of health (SOH) monitor with a built-in precision coulomb counter from Analog Devices. The LTC3337 is designed to be placed in series with a primary battery with minimal associated series voltage drop. The patented infinite dynamic range coulomb counter tallies all accumulated battery discharge and stores it in an internal register accessible via an I2C interface. In addition, this Click board™ also can set the input current limit and has an additional discharge alarm interrupt and SOH monitoring which measures and reports via an I2C interface. This Click board™ is suitable for primary battery-powered system applications, remote industrial sensor applications, or backup power supply applications.

BATT-MON 4 Click is supported by a mikroSDK compliant library, which includes functions that simplify software development. This Click board™ comes as a fully tested product, ready to be used on a system equipped with the mikroBUS™ socket.

Mikroe produces entire development toolchains for all major microcontroller architectures.
Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve outstanding results.

ISO 27001: 2013 certification of informational security management system.
ISO 14001: 2015 certification of environmental management system.
OHSAS 18001: 2008 certification of occupational health and safety management system.

ISO 9001: 2015 certification of quality management system (QMS).

MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia
VAT: SR105917343 Registration No. 20490918
Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com
www.mikroe.com

Specifications

Type	Battery charger
Applications	Can be used for primary battery-powered system applications, remote industrial sensor applications, or backup power supply applications
On-board modules	LTC3337 - primary battery state of health monitor from Analog Devices
Key Features	Low power consumption, built-in precision coulomb counter, designed to be placed in series with a primary battery, state-of-health monitor for primary battery, integrated supercapacitor balancer, programmable current limit, and more
Interface	I2C
ClickID	No
Compatibility	mikroBUS™
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V,External

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click boards™

Downloads

BATT-MON 4 click example on Libstock

BATT-MON 4 click 2D and 3D files

BATT-MON 4 click schematic

LTC3337 datasheet

Mikroe produces entire development toolchains for all major microcontroller architectures.
Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve outstanding results.

ISO 27001: 2013 certification of informational security management system.
ISO 14001: 2015 certification of environmental management system.
OHSAS 18001: 2008 certification of occupational health and safety management system.

ISO 9001: 2015 certification of quality management system (QMS).