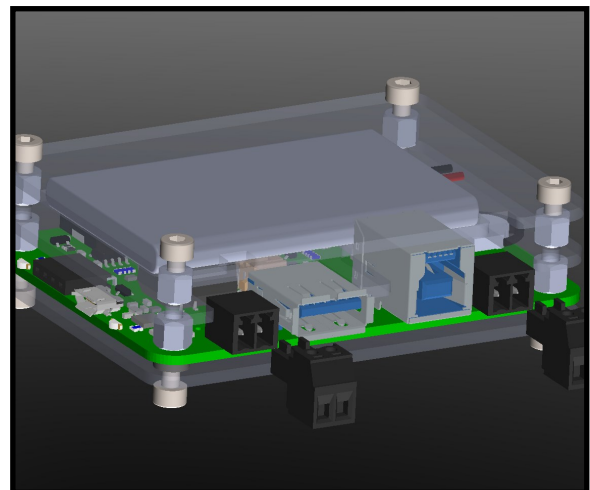

Log4.USB

Datasheet



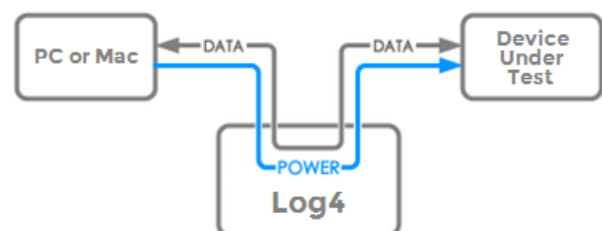
SUMMARY

A data-logging circuit tester optimised for power measurement within USB-connected systems.



FEATURES

- Log Measurements and Transfer Data Simultaneously
- High Accuracy
- Light and Compact
- Isolated Data Interface
- Wide Measurement Ranges
- Low Power Consumption
- Rechargeable 1200mWh LiPo Battery
- Audible Alarm
- PC- and Mac-compatible Software
- CSV File Format



SPECIFICATIONS

MEASUREMENT

Range: Auto Ranging
Resolution: 16 bit
Channels: 1

VOLTAGE MEASUREMENT

Maximum: 28V
Minimum: 0V

CURRENT MEASUREMENT

Maximum: 3000mA
Minimum: 100µA

SAMPLING

Range: Adjustable
Timestamp: Realtime Clock, User/Auto-set, Date & Time

SAMPLING PERIOD LIMITS

Maximum: 60 minutes
Minimum: 1 millisecond

BATTERY

Chemistry: 3.7V, 1-cell Lithium Polymer
Capacity: 1200mAh
Battery Life: 7.3 days @ 10ms sampling
Charging: 200mA/h, Isolated, via MicroUSB port

INPUTS & OUTPUTS

MEASUREMENT CONNECTIONS

USB 3.0: Type A IN, Type B OUT
Terminals: Spring Terminals, 1.5mm Wire Gauge

ISOLATED DATA INTERFACE

USB: Micro-USB, Type B
USART: Standard 100mil Header, 3V3 & 5V logic compatible

STANDALONE LOGGING

Media: MicroSD Card

ALARMS

Types: Visual - LED (Bi-colour), Audible - Integrated Buzzer
Thresholds: OVER - Voltage, Current, Power; UNDER - Voltage, Current, Power

DISPLAY

Resolution: 128 x 128 Pixels
Color Depth: Monochrome
Technology: Sharp Memory LCD
Backlight: Discrete, Adjustable

SIZE & WEIGHT

Dimensions: 85.7 x 65.0 x 28.4 (W x D x H, mm)
Weight: 121 grams