

## Description

This is a portable data acquisition device, similar size as a camera, with a rechargeable battery to support long time work, can be remotely controlled via mobile phone or computer, and capture data based on trigger condition, especially suitable for vehicle testing and other scenarios.



## Connectivity

- The device is connected to a cloud server via 4G network
- It supports online control of tests and data view through PC or mobile phone

## Application

- Vehicle test
- Validation DV/PV test
- Technical issue debug
- Software development
- Hardware development

## Features

- Support at least 8 hours test with rechargeable battery
- Support data capture and trigger each channel
- Support data search function
- Can independent work without PC connected
- Weight: 615g
- Size: 114mm\*118mm\*34mm

## Parameter

Parameter	Conditions	Min	Typ	Max	Unit
Voltage Channel			4		Ch
Voltage Accuracy	When input voltage amplitude $\geq 2V$ ; Note1	-1		+1	%
Voltage Accuracy	When input voltage amplitude $< 2V$ ; Note1	-0.1		+0.1	V
Voltage Range		-100		100	V
Voltage Sample Rate	Note2	1K		100M	S/s
Current Channel	Note3		2		Ch
Current Accuracy	Note3	-1		+1	%
Current Range	Note3	-30		+30	A
Current Sample Rate	Note3	1K		100K	S/s
Data Record Length	When sample rate is 1MS/s		33		sec
Data Record Length	When sample rate is 1K/s		9		hour
Data Record Section			32		
Battery Support Time			8		hour
Ambient Temperature		-20	25	55	°C

Note1: S variant is up to +/-5%

Note2: P and C variant is up to 1MS/s; S variant is up to 100MS/s

Note3: Current channel is only available in C variant

**Order Code**

Variant	Order Code	Description
P	M00006-001	High accuracy version for voltage measurement
C	M00008-001, M00005-001	High accuracy version for both voltage and current measurement
S	M00004-003	High speed version for voltage measurement

**Application Example**

Power supply

Use wire to connect to power window motor electronics interface

Power, input and hall sensor signal can be monitored

This is connected by 4G network

Failure issue debug example:

If hall sensor signal is wrong, the device will capture and save the data. The data can be reviewed via mobile phone.

**Release History**

Release Date	Description
2024-12-22	Initial release