


CATHODIC PROTECTION

Z-Collect GPS Multi-Logger



Multi function datalogger
with integrated high
accuracy GPS receiver

- Data Collect, Datalogger, CIPS, CIPS (Double impedance), DCVG, CIPS+DCVG, CIPS(Double impedance)+DCVG mode
- DCVG signal detection
- Internal antenna GPS, External antenna GPS, and external GPS support
- 3 Channels with Digital filters
- AC & DC simultaneous readings
- Records chainage, GPS location, time, and date with each reading

- Optional voltage and current probe
- Automatic probe detection
- Bluetooth and USB
- Keyboard with alphanumeric keys
- Graphic LCD with LED backlight
- 7.2 V 4.900mAh Li-ion battery
- Designed for outdoor use



Z-Collect is a multi function datalogger with integrated high accuracy GPS receiver. It is designed to be a compact hand held device for on site measurements while it can easily be combined with the carrying apparatus for site surveys.

Measure with Geo Stamp: Measure and store the data with geographical and time stamp. Define GPS locations for test stations and track potentials easily.

Conduct Site Surveys: Combine Z-Collect with interrupters to perform CIPS, DCVG or CIPS+DCVG.

Datalogger: Keep track of 3 different measurements with or without GPS synchronisation. Measure AC and DC values simultaneously for each channel.



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Measure and store the data
with geographical and time stamp

Technical Specifications

Input	Protection	Measurement Type	Range		Resolution	Accuracy		Filtering	Input Impedance
			DC	AC		DC	AC (50&60Hz)		
Left	1kV	Simultaneous AC&DC	±100mV	75mV	1μV	0.5%+0.1mV	1%+0.5mV	50&60Hz Notch	~29MΩ or ~200MΩ
Center			±500mV	350mV	10μV	0.5%+0.2mV	1%+1mV		
Right			±5V ±15V	3.5V 10V	100μV 100μV	0.5%+5mV 0.5%+10mV	1%+10mV 1%+15mV		

Memory	Data Collect mode 2.000 Structure (max. 60 char) 32.000 equipment 250 equipment type (max. 15 char) 30.000 equipment measurement (max 16 measurements) Datalogger CIPS and DCVG mods 125.000 reading (6 measurements)
Memory Endurance	>100.000 Write/Erase
Data Retention	>100 Years
Display	160x104 monochrome LCD with LED backlight
Number of Buttons	50 keys (keyboard with alphanumeric keys) 1 side button
GPS	Internal antenna GPS (Galileo, GLONASS, GPS / QZSS) External antenna GPS (Galileo, GLONASS, GPS / QZSS) External GPS input (External GPS optional) internal RTK/PPK GPS for cm accuracy (Optional)
Time deviation	<10us with GPS signal <800us/h without GPS signal
Battery	7.2V 4900mAh Li-ion (short circuit, overcharge, and discharge protection)
Charger	12V 1.5A wall mount adapter 12V - 24 V car charger
Operating Temperature	-10 +45 °C
Computer Connection	Bluetooth 5.0 USB
Dimensions (Cables and Connectors excluded)	W:165/85 x L:220 x H:51mm
IP Protection	IP65 (protected against dust and splash water)
Warranty	2 years (componensts and workmanship)

* Please note that all products, product specifications and data presented in this datasheet or web site are believed to be free of errors and subject to change without prior notification for continued improvement. It is the users responsibility to ensure the suitability of the product for a specific application.