



CATHODIC PROTECTION



Z-Log 44B Datalogger

4 insulated channel
datalogger for CP systems



Z-Log 44B Datalogger is designed for harsh environment to collect long time data. The insulated inputs allow any input channel to be connected in any combination without ground loop problem. Each channel is capable of recording AC and DC values simultaneously. The data recorded can be transferred to PC via a USB connection and analyzed through table or graphical representation. The real time values of all channels, battery status and used memory capacity are shown on the LCD display.



Insulated inputs allow any input channel to be connected in any combination without loop formation



Technical Specifications

Channels	Isolation	Protection	Measurement Type	Meas. Range		Resolution	Accuracy		Filtering	Input Impedance
				DC	AC		DC	AC (50 & 60Hz)		
A	✓	300V	Simultaneous AC & DC	±40V	28V	5mV	0.5%+0.1V	2%+0.5V	50&60Hz Notch	~10MΩ
B	✓	300V		±74V	49V	10mV	0.5%+0.1V	2%+0.5V		~10MΩ
C	✓	150V		±160mV	100mV	20μV	1%+0.1mV	3%+0.5mV		~200kΩ
D	✓	500V		±74V	49V	20mV	0.5%+0.3V	2%+1V		~10MΩ

Recording Interval	1 ms - 9999 s
Memory	500.000 Samples/Channel, Total 4.000.000 samples capacity
Memory Endurance	>100.000 Write/Erase
Data Retention	>100 Years
Display	3x16 Characters LCD Display
Data Shown on Display	AC and DC values for each channel, Battery-Memory capacity used, Device status
Number of Buttons	4 Pcs
Operating Voltage	5-12V DC/ 8 pcs. 1.5V AA Alkaline Battery
Operating Current (Sampling)	100mA max.
Operating Temperature	-20 - 55 °C
Computer Connection	USB
Dimensions (Cables and Connectors excluded)	W:55 x L:275 x H:52 mm
Weight (Including Batteries)	~ 1kg
IP Protection	IP65 (protected against dust and splash water)
Warranty	2 years (components and workmanship)
Compliance	CE

* 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.