



EZ700 Series Eight-Channel Analog Input Data Logger

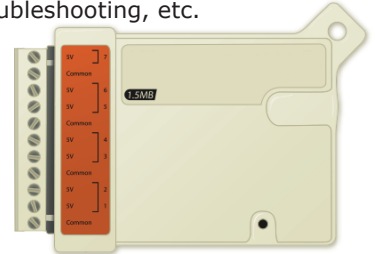
EZ700 Analog Input data logger is a versatile data logger for easy recording of common process signal variables. With seven input channels, the logger is ideal for monitoring (through commercially available transducers) a wide variety of measurement parameters.)

APPLICATIONS

Monitoring wind speed, flow, tank level, pressure, current, voltage, power, SCADA troubleshooting, etc.

GENERAL SPECIFICATIONS

Size:	107mm x 74mm x 22mm (4.2" x 2.9" x 0.9")
Weight:	110 gm
Case Material:	Noryl® Plastic
Battery:	3.6 volt Lithium
Resolution:	12-bit (1 part in 4096)
Mounting:	Magnetic backing or locking eyelet
Clock Accuracy:	± 2 seconds per day
Sampling Methods:	Continuous (First-in First-out)*, Stop When Full (Fill-then-stop) *Not available with sample rates faster than eight seconds
Operating Limits:	-40°C to 70°C (-40°F to 158°F) and 0 to 95% RH (non-condensing)
PC Requirements:	Windows PC with at least one free USB or serial port (depending on interface)
Software Requirements:	TrendzLog® 1 (Compatible with Windows XP and Vista 32 bit)
Memory Size:	32 KB (capable of storing up to 21,500 readings) 128 KB (capable of storing up to 87,000 readings) 1.5 MB (capable of storing up to 1,048,000 readings)
(3 memory sizes available)	
Sampling Rates:	User selectable rates from 25 per second to once every eight hours (Note: Battery pack or power supply required for sampling rates faster than eight seconds)
Number of Channels:	Eight (One for the internal temperature sensor and seven external channels for analog voltage and current loop signals.)



SENSOR SPECIFICATIONS

Internal Temperature Sensor

Type:	NTC Thermistor - 10,000 Ohm @ 25°C
Range:	-40°C to 70°C
Accuracy:	±0.2°C over the range of 0°C to 70°C
Resolution:	0.03°C @ 25°C; better than 0.07°C between -25°C and 70°C; better than 0.13°C between -40°C and -25°C

Standard Model (EZ700-S)

Input Range*

0 to 2.5V DC (1 channel)
0 to 5V DC (2 channels)
0 to 10V DC (1 channel)
0 to 200mV DC (1 channel)
0 to 25mA DC (2 channels)

Maximum Protection

Voltage channels: ± 40V (reverse-polarity protected)
Current channels: ± 70mA (reverse-polarity protected)

Accuracy: ±0.5% of full scale

Other Model

Input Range*

All external channels:	0 to 2.5V DC (EZ700-2.5)
All external channels:	0 to 5V DC (EZ700-5)
All external channels:	0 to 10V DC (EZ700-10)
All external channels:	0 to 25mA (EZ700-25)

Input Impedance

>1M Ohm (200mV channel)
>1M Ohm (0 to 2.5V channel)
>1M Ohm (0 to 5V channel)
>1M Ohm (0 to 10V channel)
20 Ohm (0 to 25mA channel)

*Transducer restrictions: The use of a single power supply is recommended to avoid ground loops or use loop isolators.

ORDERING INFORMATION

Model No.	Channels (No.)	Memory	Model No.	Channels (No.)	Memory
EZ700-S-32	0-2.5VDC(1), 0-5VDC(2)	32KB	EZ700-2.5-32	0-2.5VDC(7)	32KB
	0-10VDC(1), 0-200mVDC(2)		EZ700-2.5-128	0-2.5VDC(7)	128KB
	0-25mADC(2)		EZ700-5-32	0-5VDC(7)	32KB
EZ700-S-128	0-2.5VDC(1), 0-5VDC(2) 0-10VDC(1), 0-200mVDC(2) 0-25mADC(2)	128KB	EZ700-5-128	0-5VDC(7)	128KB
			EZ700-5-1.5	0-5VDC(7)	1.5MB
			EZ700-10-32	0-10VDC(7)	32KB
			EZ700-10-128	0-10VDC(7)	128KB
			EZ700-10-1.5	0-10VDC(7)	1.5MB
EZ700-S-1.5	0-2.5VDC(1), 0-5VDC(2) 0-10VDC(1), 0-200mVDC(2) 0-25mADC(2)	1.5MB	EZ700-25-32	0-25mA(7)	32KB
			EZ700-25-128	0-25mA(7)	128KB
			EZ700-25-1.5	0-25mA(7)	1.5MB