



## SPECIFICATIONS

Specifications are subject to change without notice. Specific warranty remedy limitations apply. Call (603) 456-2011 or go to [madgetech.com](http://madgetech.com) for details.

MEASUREMENT			
<b>Input Connection</b>	3-input removable screw terminals		
<b>Model</b>	30 mA	160 mA	3 A
<b>Current Range</b>	-2 mA to +30 mA	±160 mA	±3 A
<b>Current Resolution</b>	0.0005 mA	0.005 mA	0.001 A
<b>Calibrated Accuracy</b>	±0.016 mA	±0.16 mA	±0.009 A
<b>Input Impedance</b>	10 Ω	1 Ω	0.1 Ω
<b>Overload Protection (-0.3 V to +3.5 V)</b>	±316 mA	±1000 mA	±6 A
<b>Maximum Voltage Between Inputs to Ground</b>	3 V (Common mode voltage must be less than 3 volts. All inputs must be within 3 volts of all other inputs.)		
<b>Analog Conversion Time</b>	150 ms		
<b>Temperature Coefficient</b>	< 50 ppm / °C typical		
<b>Engineering Units</b>	Native Measurement units can be scaled to display measurement units of another type. This is useful when monitoring current outputs from different types of sensors such as temperature, CO <sub>2</sub> , flow rate and more.		

GENERAL	
<b>Start Modes</b>	Software programmable immediate start or delay start up to six months in advance, programmable in software
<b>Real Time Recording</b>	May be used with PC to monitor and record data in real time
<b>Memory</b>	4-channel: 1,048,064 readings 8-channel: 524,032 readings 12-channel: 349,354 readings 16-channel: 262,016 readings

<b>LEDs</b>	1 per channel and 2 status LEDs
<b>Reading Rate</b>	4 Hz up to 1 reading every 24 hours
<b>Calibration</b>	Digital calibration through software
<b>Calibration Date</b>	Automatically recorded within device
<b>Battery Type</b>	9 V lithium battery included, <b>user replaceable</b>
<b>Battery Life</b>	18 months typical
<b>Data Format</b>	Date and time stamped A, mA, µA, engineering units specified through software
<b>Time Accuracy</b>	±1 minute/month
<b>Computer Interface</b>	USB-A to micro USB cable (included); 460,800 baud
<b>Operating System Compatibility</b>	Windows XP SP3 or later
<b>Software Compatibility</b>	Standard Software version 4.2.19.0 or later Secure Software version 4.2.18.0 or later
<b>Operating Environment</b>	-20 °C to +60 °C (-4 °F to +140 °F), 0 %RH to 95 %RH non-condensing
<b>Dimensions</b>	<b>4-channel:</b> 2.70 in x 7.25 in x 1.22 in (65.6 mm x 184.2 mm x 31.0 mm) <b>8-channel:</b> 2.70 in x 7.25 in x 1.22 in (65.6 mm x 184.2 mm x 31.0 mm) <b>12-channel:</b> 2.70 in x 7.25 in x 1.68 in (65.6 mm x 184.2 mm x 42.7 mm) <b>16-channel:</b> 2.70 in x 7.25 in x 2.14 in (65.6 mm x 184.2 mm x 54.4 mm)
<b>Material</b>	Black anodized aluminum
<b>Weight</b>	<b>4-channel:</b> 13 oz (368 g) <b>8-channel:</b> 13 oz (368 g) <b>12-channel:</b> 20 oz (580 g) <b>16-channel:</b> 28 oz (800 g)
<b>Approvals</b>	CE

**BATTERY WARNING:** BATTERY MAY LEAK, FLAME OR EXPLODE IF DISASSEMBLED, SHORTED, CHARGED, CONNECTED TOGETHER, MIXED WITH USED OR OTHER BATTERIES, EXPOSED TO FIRE OR HIGH TEMPERATURE. DISCARD USED BATTERY PROMPTLY. KEEP OUT OF REACH OF CHILDREN.

## Ordering Information

<b>CurrentX4-30mA</b>	PN 902191-00	4-Channel 30 mA Current Data Logger, USB-A to micro USB cable, universal power adapter
<b>CurrentX4-160mA</b>	PN 902195-00	4-Channel 160 mA Current Data Logger, USB-A to micro USB cable, universal power adapter
<b>CurrentX4-3A</b>	PN 902199-00	4-Channel 3 A Current Data Logger, USB-A to micro USB cable, universal power adapter
<b>CurrentX8-30mA</b>	PN 902192-00	8-Channel 30 mA Current Data Logger, USB-A to micro USB cable, universal power adapter
<b>CurrentX8-160mA</b>	PN 902196-00	8-Channel 160 mA Current Data Logger, USB-A to micro USB cable, universal power adapter
<b>CurrentX8-3A</b>	PN 902200-00	8-Channel 3 A Current Data Logger, USB-A to micro USB cable, universal power adapter
<b>CurrentX12-30mA</b>	PN 902193-00	12-Channel 30 mA Current Data Logger, USB-A to micro USB cable, universal power adapter
<b>CurrentX12-160mA</b>	PN 902197-00	12-Channel 160 mA Current Data Logger, USB-A to micro USB cable, universal power adapter
<b>CurrentX12-3A</b>	PN 902201-00	12-Channel 3 A Current Data Logger, USB-A to micro USB cable, universal power adapter
<b>CurrentX16-30mA</b>	PN 902194-00	16-Channel 30 mA Current Data Logger, USB-A to micro USB cable, universal power adapter
<b>CurrentX16-160mA</b>	PN 902198-00	16-Channel 160 mA Current Data Logger, USB-A to micro USB cable, universal power adapter
<b>CurrentX16-3A</b>	PN 902202-00	16-Channel 3 A Current Data Logger, USB-A to micro USB cable, universal power adapter
<b>U9VL-J</b>	PN 901804-00	Replacement battery for CurrentX Series