



# Specifications

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

MEASUREMENT	
<b>Input Connection</b>	Removable screw terminal
<b>Maximum Pulse Rate</b>	10 KHz
<b>Input Range</b>	0 to 30 VDC continuous
<b>Input Low</b>	< 0.4 V
<b>Input High</b>	> 2.8 V
<b>Internal Weak Pull-Up</b>	< 60 $\mu$ A
<b>Input Impedance</b>	> 60 k $\Omega$
<b>Minimum Pulse Width/ Contact Closure Duration</b>	$\geq$ 10 microseconds
<b>Engineering Units</b>	Native measurement units can be scaled to display measurement units of another type. This is useful when monitoring outputs from different types of sensors such as flow rate, wind speed and more

GENERAL	
<b>Start Modes</b>	Immediate start Delay start up to 18 months Multiple pushbutton start/stop
<b>Stop Modes</b>	Manual through software Timed (specific date and time)
<b>Multiple Start/Stop Mode</b>	Start and stop the device multiple times without having to download data or communicate with a PC
<b>Real Time Recording</b>	May be used with PC to monitor and record data in real time
<b>Password Protection</b>	An optional password may be programmed into the device to restrict access to configuration options. Data may be read out without the password
<b>Memory</b>	1,047,552 readings; software configurable memory wrap 349,184 readings in multiple start/stop mode

<b>Wrap Around</b>	Yes
<b>Reading Rate</b>	1 reading every second up to 1 reading every 24 hours
<b>LED Functionality</b>	<b>Green LED Blinks:</b> 10 seconds to indicate logging and 15 seconds to indicate Delay or Manual Start Mode - Standby (waiting to start) <b>Red LED Blinks:</b> 10 seconds to indicate low battery and/or full memory
<b>LEDs</b>	2 status LEDs
<b>Calibration</b>	Digital calibration through software
<b>Calibration Date</b>	Automatically recorded within device
<b>Battery Type</b>	3.6 V lithium battery included; user replaceable
<b>Battery Life</b>	10 years typical, dependent upon frequency and duty cycle
<b>Data Format</b>	Date and time stamped uA, mA, A
<b>Time Accuracy</b>	$\pm$ 1 minute/month at 25 $^{\circ}$ C (77 $^{\circ}$ F) – Stand alone data logging
<b>Computer Interface</b>	USB (interface cable required); 115,200 baud
<b>Operating System Compatibility</b>	Windows XP SP3 or later
<b>Software Compatibility</b>	Standard Software version 2.03.06 or later Secure Software version 4.1.3.0 or later
<b>Operating Environment</b>	-40 $^{\circ}$ C to +80 $^{\circ}$ C (-40 $^{\circ}$ F to +176 $^{\circ}$ F) 0 %RH to 95 %RH non-condensing
<b>Dimensions</b>	1.4 in x 2.1 in x 0.6 in (35 mm x 54 mm x 15 mm)
<b>Weight</b>	0.8 oz (24 g)
<b>Material</b>	Polycarbonate
<b>Approvals</b>	CE

**BATTERY WARNING:** FIRE, EXPLOSION AND SEVERE BURN HAZARD. DO NOT RECHARGE, DISASSEMBLE, HEAT ABOVE 100  $^{\circ}$ C (212  $^{\circ}$ F), INCINERATE, CRUSH, OR EXPOSE CONTENTS TO WATER.



 <p>Solutions for High-tech Instrumentation</p> <p><a href="http://www.wessexpower.co.uk">www.wessexpower.co.uk</a></p>	 <p>E-commerce Instrumentation</p> <p><a href="http://www.loggershop.co.uk">www.loggershop.co.uk</a></p>
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## Ordering Information

<b>Pulse101A</b>	PN 901312-00	Pulse Data Logger
<b>IFC200</b>	PN 900298-00	USB interface cable
<b>LTC-7PN</b>	PN 900352-00	Replacement battery for the Pulse101A

For Quantity Discounts call **(603) 456-2011** or email [sales@madgetech.com](mailto:sales@madgetech.com)