

Data loggers are an essential component in data acquisition systems. They can scan a wide variety of measurement sensors, perform any programmed calculations, convert the data to other units of measurement, and store the data in memory. Data loggers can also transmit the data for analysis, sharing, and reporting, as well as control external devices.

**CR100X**  
Measurement and  
Control Datalogger

Popular



- ▶ *Non-condensing environment*
- ▶ -55° to +85°C (extended)
- ▶ -40° to +70°C (standard)

1000 Hz

16 single-ended or 8 differential (individually configured) Two analog inputs can measure 4 to 20 mA or 0 to 20 mA natively. Four analog inputs can provide pulse/digital I/O functions.

*Communication Protocols*

CPI, PakBus, SDM, SDI-12, Modbus, TCP, DNP3, UDP, NTCIP, NMEA 0183, I2C, SPI, and others

**CR6**  
Measurement and  
Control Datalogger

Popular




- ▶ *Non-condensing environment*
- ▶ -55° to +85°C (extended)
- ▶ -40° to +70°C (standard)

1000 Hz

Up to 12 single-ended or 6 differential (The CR6 has 12 universal [U] and 4 control [C] terminals that can be programmed for a variety of functions. The number of analog inputs, switched excitations, and digital ports assume all the ports are configured the same.)

CPI, PakBus, SDM, SDI-12, Modbus, TCP, DNP3, UDP, NTCIP, NMEA 0183, I2C, SPI, and others

		<i>Operating Temperature Range</i>	<i>Maximum Scan Rate</i>	<i>Analog Inputs</i>	<i>Communication Protocols</i>
<b>CR300</b> Measurement and Control Datalogger <span style="background-color: #4CAF50; color: white; padding: 2px;">Popular</span>		<ul style="list-style-type: none"> <li>➤ <i>Non-condensing environment</i></li> <li>➤ -40° to +70°C (standard)</li> </ul>	10 Hz	6 single-ended or 3 differential (individually configured)	PakBus, Modbus, DNP3, SDI-12, TCP, UDP, and others
<b>CR310</b> Measurement and Control Datalogger		<ul style="list-style-type: none"> <li>➤ <i>Non-condensing environment</i></li> <li>➤ -40° to +70°C (standard)</li> </ul>	10 Hz	6 single-ended or 3 differential (individually configured)	PakBus, Modbus, DNP3, SDI-12, TCP, UDP, and others
<b>MeteoPV</b> Distributed Solar-Resource-Monitoring Platform		-40° to +70°C	—	—	—
<b>CR800</b> Measurement and Control Datalogger		<ul style="list-style-type: none"> <li>➤ -55° to +85°C (extended)</li> <li>➤ -25° to +50°C (standard)</li> <li>➤ <i>Non-condensing environment</i></li> </ul>	100 Hz	6 single-ended or 3 differential (individually configured)	PakBus, Modbus, DNP3, SDI-12, SDM
<b>CR850</b> Measurement and Control Datalogger		<ul style="list-style-type: none"> <li>➤ <i>Non-condensing environment</i></li> <li>➤ -30° to +80°C (extended)</li> <li>➤ -25° to +50°C (standard)</li> </ul>	100 Hz	6 single-ended or 3 differential (individually configured)	PakBus, Modbus, DNP3, SDI-12, SDM

	Operating Temperature Range	Maximum Scan Rate	Analog Inputs	Communication Protocols
<p><b>CR3000</b> Measurement and Control Datalogger</p> 	<ul style="list-style-type: none"> <li>▶ -40° to +85°C (extended)</li> <li>▶ -25° to +50°C (standard)</li> <li>▶ Non-condensing environment</li> <li>▶ Battery bases have different temperature ranges. The rechargeable base option has an operating temperature range of -40° to +60°C. The alkaline base option has a temperature range of -25° to +50°C.</li> </ul>	<p>100 Hz</p>	<p>28 single-ended or 14 differential (individually configured)</p>	<p>PakBus, Modbus, DNP3, SDI-12, SDM</p>

For comprehensive details, visit: [www.campbellsci.com/data-loggers](http://www.campbellsci.com/data-loggers) 

