

# Product Matrix

## TEMPERATURE



Data Loggers	TransiTemp	TransiTemp-EC	Temp100	Temp101	TempRetriever	Temp110
<b>Description</b>	In-Transit Temperature Recorder	In-Transit Temperature Recorder	Miniature Temperature Recorder with Pushbutton Start/Stop	Miniature Temperature Recorder	Miniature Temperature Recorder with Pushbutton Start	Miniature Temperature Recorder with 10 Year Battery Life
<b>Range</b>	-20 to +70°C	-20 to +70°C	-40 to +80°C	-40 to +80°C	-40 to +80°C	-40 to +80°C
<b>Resolution</b>	0.1°C	0.1°C	0.1°C	0.1°C	0.1°C	0.1°C
<b>Accuracy</b>	±0.5°C (-10 to +40°C) ±1.0°C (-20 to +70°C)	±0.5°C (-10 to +40°C) ±1.0°C (-20 to +70°C)	±0.5°C	±0.5°C	±0.5°C	±0.5°C
<b>Memory</b>	8,191	8,191	32,767	32,767	16,383	32,767
<b>Dimensions</b>	1.9" x 3.6" x 0.7" (49mm x 92mm x 18mm)	1.7" x 2.6" x 0.6" (44mm x 67mm x 16mm)	1.4" x 2.2" x 0.6" (36mm x 56mm x 16mm)	1.4" x 2.2" x 0.6" (36mm x 56mm x 16mm)	1.4" x 2.2" x 0.6" (36mm x 56mm x 16mm)	1.7" x 2.3" x 0.8" (42mm x 59mm x 21mm)
<b>NIST Certificates</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Delayed Start</b>	0 to 30 days	0 to 30 days	0 to 180 days	0 to 180 days	0 to 180 days	0 to 180 days
<b>Alarm</b>	Yes	Yes	Yes	Yes	Yes	No
<b>Water Resistant</b>	No*	No*	No*	No*	No*	No*
<b>Features</b>	Single-use and multi-use, red and green indicators, low cost, convenient size, pushbutton start	Single-use and multi-use, red and green indicators, low cost, convenient size, pushbutton start	Software calibration, reusable, small size, red & green indicators, pushbutton start	Software calibration, reusable, small size	Software calibration, reusable, small size, push button start, red and green indicators	10 year battery life; fast 57,600 baud download, software calibration, small size, reusable
<b>For More Information</b>	Go to Page 16, 17	Go to Page 16, 17	Go to Page 14, 15	Go to Page 14, 15	Go to Page 15	Go to Page 14, 15



Data Loggers	RTDTemp101	RTDTemp110	TC4000	TC110	QuadTemp	OctTemp
<b>Description</b>	Precision RTD Temperature Recorder	Precision RTD Temperature Recorder with 10 Year Battery Life	Thermocouple Based Temperature Recorder	Thermocouple Based Temperature Recorder with 10 Year Battery Life	4-Channel Thermocouple Based Temperature Recorder	8-Channel Thermocouple Based Temperature Recorder
<b>Measurement Range</b>	-200 to +850°C 100Ω Pt. RTD	-200 to +850°C 100Ω Pt. RTD	-40 to +80°C ambient (-270 to +1820°C) Thermocouple Types: J,K,T,E,R,S,B,N	-40 to +80°C ambient (-270 to +1820°C) Thermocouple Types: J,K,T,E,R,S,B,N	-40 to +80°C ambient (-270 to +1820°C) Thermocouple Types: J,K,T,E,R,S,B,N	-40 to +80°C ambient (-270 to 1820°C) Thermocouple Types: J,K,T,E,R,S,B,N
<b>Resolution</b>	0.01°C	0.01°C	0.1°C	0.1°C	0.1°C	0.1°C
<b>Accuracy</b>	±0.05°C	±0.1°C	±0.5°C	±0.5°C	±0.5°C	±0.5°C
<b>Memory</b>	21,845	21,845	16,383 per channel	16,383 per channel	26,214 per channel	14,563 per channel
<b>Dimensions</b>	1.4" x 2.5" x 0.6" (36mm x 64mm x 16mm)	1.7" x 2.7" x 0.8" (44mm x 69mm x 21mm)	1.4" x 2.2" x 0.6" (36mm x 56mm x 16mm)	1.7" x 2.3" x 0.8" (44mm x 59mm x 21mm)	3.5" x 4.4" x 1.0" (89mm x 112mm x 26mm)	3.5" x 4.4" x 1.5" (89mm x 112mm x 39mm)
<b>NIST Certificates</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Delayed Start</b>	0 to 180 days	0 to 180 days	0 to 180 days	0 to 180 days	0 to 180 days	0 to 180 days
<b>Alarm</b>	No	No	No	No	No	No
<b>Water Resistant</b>	No*	No*	No*	No*	No	No
<b>Features</b>	Software calibration, reusable, small size, external 2,3, or 4 wire RTD probe	10 year battery life, fast 57,600 baud download, software calibration, reusable, small size, external 2,3 or 4 wire RTD probe	Software calibration, reusable, small size, red LED indicator, thermocouple mini-plug or screw terminal connection	10 year battery life, fast 57,600 baud download, software calibration, reusable, small size, thermocouple mini-plug or screw terminal connection	Software calibration, reusable, small size, thermocouple mini-plug connectors, mounting holes	Software calibration, reusable, small size, thermocouple mini-plug connectors, mounting holes
<b>For More Information</b>	Go to Page 18, 19	Go to Page 18, 19	Go to Page 20, 21	Go to Page 20, 21	Go to Page 20, 21	Go to Page 20, 21

## TEMPERATURE



Data Loggers	QuadRTD	OctRTD	TCTemp1000	Temp1000	Temp1000FP	Temp1000IS
<b>Description</b>	4-Channel RTD Based Temperature Recorder	8-Channel RTD Based Temperature Recorder	Rugged Thermocouple Based Temperature Recorder	Rugged, Submersible Temperature Recorder in Aluminum or Stainless Steel Enclosure	Temperature Recorder with 10.8" Flexible Probe	Intrinsically Safe Temperature Recorder in Aluminum or Stainless Steel Enclosure
<b>Range</b>	-200 to +850°C 100Ω pt. RTD	-200 to +850°C 100Ω pt. RTD	-40 to 80°C ambient (-270 to 1820°C) Thermocouple Types: J,K,T,E,R,S,B,N	-40 to +80°C	-40 to +150°C	-40 to +80°C
<b>Resolution</b>	0.01°C	0.01°C	0.1°C	0.1°C	0.05°C	0.1°C
<b>Accuracy</b>	±0.1°C	±0.1°C	±0.5°C	±0.5°C	±0.5°C	±0.5°C
<b>Memory</b>	21,845 per channel	10,922 per channel	16,383	32,767	32,767	32,767
<b>Dimensions</b>	3.5" x 4.4" x 1.0" (89mm x 112mm x 26mm)	3.5" x 4.4" x 1.5" (89mm x 112mm x 39mm)	7.4" x 1.2" dia. (188mm x 31mm dia.)	4.3" x 1.0" dia. (110mm x 26mm dia.)	Body 5.7" x 1.25" dia. (145mm x 32mm dia.) Probe 10.8" x 1/8" dia. (275mm x 4mm)	4.3" x 1.0" dia. (110mm x 26mm)
<b>NIST Certificates</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Delayed Start</b>	0 to 180 days	0 to 180 days	0 to 180 days	0 to 180 days	0 to 180 days	0 to 180 days
<b>Alarm</b>	No	No	No	No	No	No
<b>Water Resistant</b>	No	No	Submersible	Submersible	Submersible	Submersible
<b>Features</b>	Software calibration, reusable, small size, screw terminal connection, mounting holes	Software calibration, reusable, small size, screw terminal connection, mounting holes	Rugged, submersible, software calibration, wide range, thermocouple mini-plug	Rugged, submersible, reusable, software calibration, wide range	Rugged, submersible, reusable, software calibration, high temperature, integral flexible probe	Intrinsically Safe, NEMA 4X, 6P, rugged, submersible, reusable, software calibration
<b>For More Information</b>	Go to Page 18, 19	Go to Page 18, 19	Go to Page 23	Go to Page 25	Go to Page 26	Go to Page 28



Data Loggers	MicroTemp	Temp1000P	Temp1000S	ThermoVault	QuadThermoVault
<b>Description</b>	Miniature Temperature Recorder in Stainless Steel Enclosure	Rugged Temperature Recorder with 7" Rigid Probe	Rugged High Temperature Recorder with 1" Rigid Probe	Single Channel Oven Temperature Recorder	4-Channel Oven Temperature Recorder
<b>Range</b>	-40 to +80°C	Body -40 to +80°C Probe -100 to +260°C	-40 to +150°C	-40 to +400°C Type K Thermocouple	-40 to +400°C Type K Thermocouple
<b>Resolution</b>	0.1°C	0.05°C	0.05°C	0.1°C	0.1°C
<b>Accuracy</b>	±0.5°C	±0.5°C	±0.5°C	±0.5°C	±0.5°C
<b>Memory</b>	32,767	32,767	32,767	16,383 per channel	26,214 per channel
<b>Dimensions</b>	2.6" x 0.7" dia. (66mm x 18mm dia.)	Body 4.5" x 1.0" (115mm x 26mm dia.) Probe 6.75" x 1/8" dia. (172mm x 5mm dia.)	Body 4.8" x 1.0" dia. (122mm x 26mm dia.) Probe 1.0" x 3/16" dia. (26mm x 5mm dia.)	4.8" x 4.8" x 2.5" (122mm x 122mm x 65mm)	6.5" x 7.9" x 3.2" (165mm x 200mm x 82mm)
<b>NIST Certificates</b>	Yes	Yes	Yes	Yes	Yes
<b>Delayed Start</b>	0 to 180 days	0 to 180 days	0 to 180 days	0 to 180 days	0 to 180 days
<b>Alarm</b>	Yes	No	No	No	No
<b>Water Resistant</b>	Submersible	Yes	Submersible	No	No
<b>Features</b>	Small size, rugged, submersible, software calibration, reusable	Rugged, submersible, reusable, software calibration, wide range, integral probe	Rugged, submersible, reusable, software calibration, high temperature, integral probe	Insulated box for oven profiling up to 662 °F for 12 minutes, external type K thermocouple	Insulated box for oven profiling up to 662 °F for 25 minutes, external type K thermocouple
<b>For More Information</b>	Go to Page 24	Go to Page 27	Go to Page 26	Go to Page 22	Go to Page 22