

900 MHz

Extreme Temperature Comparisons



WT Series (LCD) - 900 MHz: 10 mW, 9600 bit rate*

Tx Interval	Temperature	Analog Press. (1 sensor)	Analog Press. (3 sensors)	Discrete	RTD	Thermocouple	Resistive Level	Flow Totalizer	Ultrasonic Level
5 sec	@ +20 °C	1.2	0.8	1.6	1.6	1.5	1.6	N/A	1.2
	@ -20 °C	1.0	0.7	1.2	1.2	1.2	1.2	N/A	1.0
	@ -40 °C	0.7	0.5	0.9	0.9	0.9	0.9	N/A	0.7
15 sec	@ +20 °C	3.6	2.5	4.5	4.5	4.3	4.5	N/A	3.6
	@ -20 °C	2.9	2.0	3.6	3.6	3.4	3.6	N/A	2.9
	@ -40 °C	2.1	1.5	2.7	2.7	2.6	2.7	N/A	2.2
30 sec	@ +20 °C	6.9	4.9	8.7	8.7	8.2	8.7	N/A	6.9
	@ -20 °C	5.5	3.9	6.9	6.9	6.6	6.9	N/A	5.5
	@ -40 °C	4.1	2.9	5.2	5.2	4.9	5.2	N/A	4.2
60 sec	@ +20 °C	10.0	9.3	10.0	10.0	10.0	10.0	10.0	10.0
	@ -20 °C	10.0	7.4	10.0	10.0	10.0	10.0	10.0	10.0
	@ -40 °C	7.7	5.6	9.5	9.5	9.1	9.5	9.5	7.7

SM Series - 900 MHz: 10 mW, 9600 bit rate*

Tx Interval	Temperature	Analog Press. (1 sensor)	Analog Press. (4 sensors)	Discrete	RTD	Thermocouple	Resistive Level
5 sec	@ +20 °C	1.2	0.7	1.5	1.5	1.5	1.5
	@ -20 °C	1.0	0.6	1.2	1.2	1.2	1.2
	@ -40 °C	0.7	0.4	0.9	0.9	0.9	0.9
15 sec	@ +20 °C	3.5	2.1	4.2	4.4	4.2	4.4
	@ -20 °C	2.8	1.7	3.3	3.5	3.3	3.5
	@ -40 °C	2.1	1.3	2.5	2.7	2.5	2.7
30 sec	@ +20 °C	6.6	4.2	7.4	8.3	7.9	8.3
	@ -20 °C	5.3	3.3	5.9	6.6	6.3	6.6
	@ -40 °C	4.0	2.5	4.4	5.0	4.7	5.0
60 sec	@ +20 °C	10.0	7.8	10.0	10.0	10.0	10.0
	@ -20 °C	9.6	6.2	9.6	10.0	10.0	10.0
	@ -40 °C	7.2	4.7	7.2	8.8	8.4	8.8



*One transmission per interval without any retries were used to calculate battery life using Gen2 radio. The data only applies to a new battery part number SX1000-BP3. Actual battery life may vary depending on environmental factors, application, and usage. Use data shown above only as a general point of reference.
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2.4 GHz

Extreme Temperature Comparisons



WT Series (LCD) - 2.4 GHz: 63 mW, 250,000 bit rate*

Tx Interval	Temperature	Analog Press. (1 sensor)	Analog Press. (3 sensors)	Discrete	RTD	Thermocouple	Resistive Level	Flow Totalizer	Ultrasonic Level
5 sec	@ +20 °C	1.6	1.0	2.2	2.2	2.0	2.2	N/A	1.6
	@ -20 °C	1.3	0.8	1.8	1.8	1.6	1.8	N/A	1.3
	@ -40 °C	0.9	0.6	1.3	1.3	1.2	1.3	N/A	1.0
15 sec	@ +20 °C	4.6	3.0	6.4	6.4	5.9	6.4	N/A	4.6
	@ -20 °C	3.7	2.4	5.1	5.1	4.7	5.1	N/A	3.7
	@ -40 °C	2.8	1.8	3.8	3.8	3.5	3.8	N/A	2.8
30 sec	@ +20 °C	8.8	5.7	10.0	10.0	10.0	10.0	N/A	8.8
	@ -20 °C	7.0	4.6	9.5	9.5	8.8	9.5	N/A	7.1
	@ -40 °C	5.3	3.4	7.2	7.2	6.6	7.2	N/A	5.3
60 sec	@ +20 °C	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	@ -20 °C	10.0	8.7	10.0	10.0	10.0	10.0	10.0	10.0
	@ -40 °C	9.7	6.5	10.0	10.0	10.0	10.0	10.0	9.7

SM Series - 2.4 GHz: 63 mW, 250,000 bit rate*

Tx Interval	Temperature	Analog Press. (1 sensor)	Analog Press. (4 sensors)	Discrete	RTD	Thermocouple	Resistive Level
5 sec	@ +20 °C	1.6	0.8	2.1	2.2	2.0	2.2
	@ -20 °C	1.3	0.7	1.7	1.8	1.6	1.8
	@ -40 °C	0.9	0.5	1.3	1.3	1.2	1.3
15 sec	@ +20 °C	4.5	2.5	5.6	6.2	5.7	6.2
	@ -20 °C	3.6	2.0	4.5	4.9	4.5	4.9
	@ -40 °C	2.7	1.5	3.4	3.7	3.4	3.7
30 sec	@ +20 °C	8.4	4.8	9.6	10.0	10.0	10.0
	@ -20 °C	6.7	3.8	7.7	9.0	8.4	9.0
	@ -40 °C	5.0	2.9	5.7	6.7	6.3	6.7
60 sec	@ +20 °C	10.0	8.9	10.0	10.0	10.0	10.0
	@ -20 °C	10.0	7.1	10.0	10.0	10.0	10.0
	@ -40 °C	8.9	5.3	8.9	10.0	10.0	10.0



*One transmission per interval without any retries were used to calculate battery life using Gen2 radio. The data only applies to a new battery part number SX1000-BP3. Actual battery life may vary depending on environmental factors, application, and usage. Use data shown above only as a general point of reference.

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