

900 MHz @ 10 mW | Gen 2 Radio/Enclosure

How to Identify a Gen 2 Transmitter: 1. OleumTech logo embossed on the cover
2. Bottom port opening is centered



WT Series (LCD) - Gen 2 Radio/Enclosure - 900 MHz @ 10 mW

Product	Analog - Discrete	Discrete	Flow Totalizer	Hydrostatic Level	Resistive Level	RTD	Thermocouple	Ultrasonic Level
Interval \ Life	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)
5 sec	1.0 / 0.8*	1.3	N/A	1.0	1.3	1.3	1.2	1.0
10 sec	2.1 / 1.5*	2.5	N/A	2.1	2.5	2.5	2.4	2.1
15 sec	3.1 / 2.2*	3.7	N/A	3.1	3.7	3.7	3.6	3.1
20 sec	4.0 / 3.0*	4.9	N/A	4.0	4.9	4.9	4.7	4.0
25 sec	5.0 / 3.7*	6.1	N/A	5.0	6.1	6.1	5.8	5.0
30 sec	5.9 / 4.4*	7.2	N/A	5.9	7.2	7.2	6.9	5.9
35 sec	6.8 / 5.1*	8.3	N/A	6.8	8.3	8.3	7.9	6.9
40 sec	7.7 / 5.7*	9.4	N/A	7.7	9.4	9.4	8.9	7.8
45 sec	8.6 / 6.4*	10.0	N/A	8.6	10.0	10.0	9.9	8.7
50 sec	9.5 / 7.1*	10.0	N/A	9.5	10.0	10.0	10.0	9.5
55 sec	10 / 7.7*	10.0	N/A	10.0	10.0	10.0	10.0	10.0
60 sec	10 / 8.4*	10.0	10.0	10.0	10.0	10.0	10.0	10.0
5 min	10.0*	10.0	10.0	10.0	10.0	10.0	10.0	10.0
10 min	10.0*	10.0	10.0	10.0	10.0	10.0	10.0	10.0
15 min	10.0*	10.0	10.0	10.0	10.0	10.0	10.0	10.0
60 min	10.0*	10.0	10.0	10.0	10.0	10.0	10.0	10.0

*Battery life data based on powering 3 analog sensors.

SM Series - Gen 2 Radio/Enclosure - 900 MHz @ 10 mW



Product	Analog - Pressure	Cathodic Protection*	Discrete	Hydrostatic Level	LevelMate	Resistive Level	RTD	Thermocouple
Interval \ Life	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)
5 sec	1.0 / 0.7*	10.0 @ 1 hr	1.2	1.0	0.5	1.3	1.3	1.2
10 sec	2.0 / 1.3*	10.0 @ 5 hr	2.4	2.0	1.1	2.5	2.5	2.4
15 sec	3.0 / 1.9*	10.0 @ 10 hr	3.5	3.0	1.6	3.7	3.7	3.5
20 sec	3.9 / 2.6*	10.0 @ 12 hr	4.5	3.9	2.1	4.8	4.8	4.6
25 sec	4.8 / 3.2*	10.0 @ 16 hr	5.4	4.9	2.6	5.9	5.9	5.6
30 sec	5.7 / 3.8*	10.0 @ 18 hr	6.3	5.7	3.1	6.9	6.9	6.6
35 sec	6.6 / 4.4*	10.0 @ 22 hr	7.1	6.6	3.6	8.0	8.0	7.6
40 sec	7.4 / 4.9*	10.0 @ 24 hr	7.9	7.4	4.0	8.9	8.9	8.5
45 sec	8.2 / 5.5*		8.6	8.2	4.5	9.9	9.9	9.5
50 sec	9.0 / 6.1*		9.3	9.0	5.0	10.0	10.0	10.0
55 sec	9.8 / 6.6*		9.9	9.8	5.4	10.0	10.0	10.0
60 sec	10.0 / 7.1*		10.0	10.0	5.9	10.0	10.0	10.0
5 min	10.0*	*This device uses SX1000-BP2 Battery Pack	10.0	10.0	10.0	10.0	10.0	10.0
10 min	10.0*		10.0	10.0	10.0	10.0	10.0	10.0
15 min	10.0*		10.0	10.0	10.0	10.0	10.0	10.0
60 min	10.0*		10.0	10.0	10.0	10.0	10.0	10.0

*Battery life data based on powering 4 analog sensors.

900 MHz @ 10 mW | Gen 1 Radio/Enclosure

How to Identify a Gen 1 Transmitter: 1. Visible mounting holes "ear holes"
2. Bottom port opening is not centered



WT Series (LCD) - Gen 1 Radio/Enclosure - 900 MHz @ 10 mW

Product	Analog - Discrete	Digital Level - Magneto	Discrete	Flow Totalizer	Hydrostatic Level	Resistive Level	RTD	Thermocouple	Ultrasonic Level
Interval \ Life	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)
5 sec	0.3	0.3	0.9	0.4	0.3	0.7	0.4	0.5	0.4
10 sec	0.5	0.5	1.6	0.7	0.5	1.4	0.8	0.9	0.7
15 sec	0.7	0.8	2.3	1.0	0.8	2.0	1.1	1.3	1.0
20 sec	1.0	1.0	2.9	1.3	1.1	2.5	1.5	1.7	1.4
25 sec	1.2	1.2	3.5	1.6	1.3	3.0	1.8	2.0	1.7
30 sec	1.4	1.4	3.9	1.8	1.5	3.5	2.1	2.4	2.0
35 sec	1.6	1.7	4.4	2.0	1.8	3.9	2.4	2.7	2.2
40 sec	1.8	1.9	4.8	2.3	2.0	4.2	2.7	3.0	2.5
45 sec	2.0	2.1	5.1	2.5	2.2	4.6	3.0	3.3	2.7
50 sec	2.2	2.3	5.4	2.6	2.4	4.9	3.2	3.5	3.0
55 sec	2.4	2.5	5.7	2.8	2.6	5.2	3.5	3.8	3.2
60 sec	2.6	2.6	5.9	3.0	2.8	5.4	3.7	4.0	3.4
2 min	4.4	4.4	7.2	4.3	4.5	7.0	5.7	5.9	5.4
3 min	5.6	5.6	7+	5.0	5.7	7+	6.7	6.8	6.4
4 min	6.3	6.4	7+	5.5	6.4	7+	7+	7+	7.0
5 min	6.8	6.8	7+	5.8	6.8	7+	7+	7+	7+
10 min	6.9	6.9	7+	6.4	7.0	7+	7+	7+	7+
15 min	7+	7+	7+	6.6	7+	7+	7+	7+	7+

SM Series - Gen 1 Radio/Enclosure - 900 MHz @ 10 mW



Product	Analog - Pressure	Cathodic Protection	Digital Level - Magneto	Discrete	Hydrostatic Level	LevelMate Transmitter	Resistive Level	RTD	Thermocouple
Interval \ Life	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)
5 sec	0.4	7+ @ 1 hr	0.3	0.9	0.4	0.3	0.7	0.5	0.5
10 sec	0.8	7+ @ 5 hr	0.5	1.7	0.8	0.5	1.4	1.0	1.0
15 sec	1.1	7+ @ 10 hr	0.8	2.4	1.1	0.8	2.1	1.4	1.4
20 sec	1.4	7+ @ 12 hr	1.0	3.1	1.4	1.0	2.6	1.8	1.8
25 sec	1.8	7+ @ 16 hr	1.2	3.6	1.8	1.2	3.1	2.2	2.2
30 sec	2.0	7+ @ 18 hr	1.4	4.1	2.0	1.5	3.6	2.6	2.6
35 sec	2.3	7+ @ 22 hr	1.6	4.6	2.3	1.7	4.1	2.9	2.9
40 sec	2.6	7+ @ 24 hr	1.8	5.0	2.6	1.9	4.4	3.2	3.2
45 sec	2.8		2.0	5.3	2.8	2.1	4.8	3.5	3.5
50 sec	3.0		2.2	5.6	3.0	2.3	5.1	3.7	3.7
55 sec	3.2		2.4	5.9	3.2	2.4	5.4	3.9	3.9
60 sec	3.4		2.5	6.1	3.4	2.6	5.7	4.1	4.1
2 min	4.8		4.0	7+	4.8	4.1	7+	5.0	5.0
3 min	5.3		4.7	7+	5.3	4.8	7+	7.6	7.6
4 min	6.5		5.0	7+	6.5	5.2	7+	9.4	9.4
5 min	7.5		5.7	7+	7.5	6.2	7+	10+	10+
10 min	10+		8.7	7+	10+	9.9	10+	10+	10+
15 min	10+		10+	7+	10+	10+	10+	10+	10+

2.4 GHz @ 63 mW | Gen 1 and 2 Radio/Enclosure



WT Series (LCD) - 2.4 GHz @ 63 mW

Product	Analog - Discrete	Digital Level - Magneto	Discrete	Flow Totalizer	Hydrostatic Level	Resistive Level	RTD	Thermocouple	Ultrasonic Level
Interval \ Life	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)
5 sec	0.3	0.3	0.4	0.5	0.3	0.9	0.4	0.3	0.3
10 sec	0.5	0.6	0.7	0.9	0.5	1.7	0.7	0.7	0.7
15 sec	0.8	0.8	1.1	1.3	0.8	2.3	1.0	1.0	1.0
20 sec	1.0	1.1	1.4	1.7	1.0	3.0	1.4	1.3	1.3
25 sec	1.3	1.3	1.7	2.1	1.3	3.5	1.7	1.6	1.6
30 sec	1.5	1.6	2.0	2.4	1.5	4.0	2.0	1.8	1.9
35 sec	1.7	1.8	2.3	2.7	1.7	4.5	2.2	2.1	2.1
40 sec	2.0	2.0	2.6	3.0	2.0	4.8	2.5	2.3	2.4
45 sec	2.2	2.3	2.9	3.3	2.2	5.2	2.7	2.6	2.6
50 sec	2.4	2.5	3.1	3.6	2.4	5.5	3.0	2.8	2.9
55 sec	2.6	2.7	3.3	3.9	2.6	5.8	3.2	3.0	3.1
60 sec	2.8	2.9	3.6	4.1	2.8	6.0	3.4	3.2	3.3
2 min	4.6	4.7	5.5	6.1	4.6	7+	5.4	5.1	5.2
3 min	5.7	5.9	6.6	6.9	5.7	7+	6.5	6.1	6.3
4 min	6.5	6.6	7.0	7+	6.5	7+	7.0	6.6	6.9
5 min	6.9	7.0	7+	7+	6.9	7+	7+	7+	7+
10 min	7+	7+	7+	7+	7+	7+	7+	7+	7+
15 min	7+	7+	7+	7+	7+	7+	7+	7+	7+

SM Series - 2.4 GHz @ 63 mW



Product	Analog - Pressure	Cathodic Protection	Digital Level - Magneto	Discrete	Hydrostatic Level	Resistive Level	RTD	Thermocouple
Interval \ Life	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)
5 sec	0.3	7+ @ 1 hr	0.3	0.4	0.3	0.6	0.3	0.3
10 sec	0.5	7+ @ 5 hr	0.5	0.7	0.5	1.2	0.7	0.7
15 sec	0.8	7+ @ 10 hr	0.8	1.0	0.8	1.7	1.0	1.0
20 sec	1.0	7+ @ 12 hr	1.0	1.3	1.0	2.2	1.3	1.3
25 sec	1.2	7+ @ 16 hr	1.3	1.6	1.2	2.7	1.6	1.6
30 sec	1.4	7+ @ 18 hr	1.5	1.9	1.4	3.1	1.8	1.8
35 sec	1.6	7+ @ 22 hr	1.7	2.2	1.6	3.4	2.1	2.1
40 sec	1.8	7+ @ 24 hr	1.9	2.4	1.8	3.8	2.3	2.3
45 sec	2.0		2.1	2.7	2.0	4.1	2.6	2.6
50 sec	2.2		2.3	2.9	2.2	4.4	2.8	2.8
55 sec	2.4		2.5	3.1	2.4	4.6	3.0	3.0
60 sec	2.6		2.7	3.4	2.6	4.8	3.2	3.2
2 min	4.3		4.4	5.2	4.3	6.2	5.1	5.1
3 min	5.4		5.5	6.2	5.4	6.9	6.1	6.1
4 min	6.1		6.2	7+	6.1	7+	6.6	6.6
5 min	6.5		6.6	7+	6.5	7+	7+	7+
10 min	6.9		7+	7+	6.9	7+	7+	7+
15 min	7+		7+	7+	7+	7+	7+	7+

2.4 GHz @ 10 mW | Gen 1 and 2 Radio/Enclosure



WT Series (LCD) - 2.4 GHz @ 10 mW

Product	Analog - Discrete	Digital Level - Magneto	Discrete	Flow Totalizer	Hydrostatic Level	Resistive Level	RTD	Thermocouple	Ultrasonic Level
Interval \ Life	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)
5 sec	0.3	0.4	0.6	0.7	0.3	1.4	0.5	0.5	0.4
10 sec	0.6	0.7	1.1	1.3	0.6	2.6	1.0	0.9	0.8
15 sec	0.9	1.0	1.5	1.8	0.9	3.5	1.4	1.3	1.2
20 sec	1.2	1.3	2.0	2.3	1.2	4.3	1.8	1.7	1.5
25 sec	1.5	1.6	2.4	2.8	1.5	5.0	2.2	2.1	1.9
30 sec	1.8	1.9	2.8	3.2	1.8	5.5	2.6	2.4	2.2
35 sec	2.0	2.2	3.2	3.6	2.0	5.9	2.9	2.7	2.5
40 sec	2.2	2.4	3.5	4.0	2.2	6.3	3.2	3.0	2.8
45 sec	2.5	2.7	3.8	4.3	2.5	6.5	3.5	3.3	3.1
50 sec	2.7	2.9	4.1	4.6	2.7	6.8	3.8	3.6	3.3
55 sec	2.9	3.2	4.4	4.9	2.9	6.9	4.1	3.8	3.6
60 sec	3.1	3.4	4.6	5.2	3.1	7.0	4.3	4.1	3.8
2 min	5.0	5.3	6.5	6.9	5.0	7+	6.3	5.9	5.8
3 min	6.2	6.4	7+	7+	6.2	7+	7.0	6.6	6.7
4 min	6.8	7.0	7+	7+	6.8	7+	7+	6.8	7+
5 min	7+	7+	7+	7+	7+	7+	7+	7+	7+
10 min	7+	7+	7+	7+	7+	7+	7+	7+	7+
15 min	7+	7+	7+	7+	7+	7+	7+	7+	7+

SM Series - 2.4 GHz @ 10 mW



Product	Analog - Pressure	Cathodic Protection	Digital Level - Magneto	Discrete	Hydrostatic Level	Resistive Level	RTD	Thermocouple
Interval \ Life	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)	Year(s)
5 sec	0.3	7+ @ 1 hr	0.3	0.5	0.3	0.8	0.5	0.5
10 sec	0.6	7+ @ 5 hr	0.7	1.0	0.6	1.5	0.9	0.9
15 sec	0.9	7+ @ 10 hr	1.0	1.5	0.9	2.2	1.3	1.3
20 sec	1.1	7+ @ 12 hr	1.3	1.9	1.1	2.8	1.7	1.7
25 sec	1.4	7+ @ 16 hr	1.5	2.3	1.4	3.3	2.1	2.1
30 sec	1.7	7+ @ 18 hr	1.8	2.6	1.7	3.8	2.4	2.4
35 sec	1.9	7+ @ 22 hr	2.1	3.0	1.9	4.3	2.7	2.7
40 sec	2.1	7+ @ 24 hr	2.3	3.3	2.1	4.7	3.0	3.0
45 sec	2.3		2.5	3.6	2.3	5.0	3.3	3.3
50 sec	2.5		2.8	3.9	2.5	5.4	3.6	3.6
55 sec	2.8		3.0	4.1	2.8	5.7	3.8	3.8
60 sec	2.9		3.2	4.4	2.9	6.0	4.1	4.1
2 min	4.8		5.0	6.1	4.8	7.7	5.9	5.9
3 min	5.8		6.0	6.7	5.8	7+	6.6	6.6
4 min	6.4		6.6	7+	6.4	7+	6.8	6.8
5 min	6.7		6.7	7+	6.7	7+	7+	7+
10 min	7+		7+	7+	7+	7+	7+	7+
15 min	7+		7+	7+	7+	7+	7+	7+

Ambient temperature and one transmission per interval without any retries were used to calculate battery life. The data only applies to a new battery part number SX1000-BP3 and SX1000-BP2 for Cathodic Protection Transmitter. Actual battery life may vary depending on environmental factors, application, and usage. Use data shown above only as general point of reference. ©2017 OleumTech Corporation. All rights reserved. OleumTech is a registered trademark of OleumTech Corporation in the United States. Specifications, design, and product descriptions subject to change without notice. AN-1069-001_F