

Data Sheet

MINITOR 7

Two-tone
analog voice pager



Replay. Respond.

Compact, lightweight and durable, the MINITOR 7 is built for the realities of first responders. Whether in an urban incident or wildland fire, rely on the MINITOR's 50 years of excellence; We understand the challenges you face - you need a device tough enough to withstand hazardous environments, to deliver life-saving information when you need it most.

Simple

- Error-proof design keeps you focused on the emergency
- Integrated button & speaker for easy operation

Reliable

- Ingress protection IP66, IP67 for use in wet and dusty environments
- Intrinsically safe for hazardous conditions
- Charging design ensures call readiness

Safe

- Warning alert for when you need immediate help
- 5-channel scan to minimize the risk of missed messages
- Customizable voice announcements and alert tones to fit your needs



Device specifications

GENERAL SPECIFICATIONS		
	VHF	UHF
Channels	5	5
Frequency Range	143-174 MHz	450-486 MHz
Channel Spacing (Wide / Narrow Band)	25 kHz / 12.5 kHz	25 kHz / 12.5 kHz
Typical Alerting Sensitivity (Wide / Narrow Band)	3.5 μ V/m / 4.5 μ V/m	3.0 μ V/m / 4.0 μ V/m
Maximum Alerting Sensitivity (Wide / Narrow Band)	4.5 μ V/m / 5.5 μ V/m	4.0 μ V/m / 5.0 μ V/m
Selectivity	>65 dB	>65 dB
Spurious Image Rejection	>70 dB	>70 dB
Frequency Stability	\pm 10 ppm	\pm 5 ppm
Audio Output @ 12" (Alert / Voice)	96 dB / 94 dB	96 dB / 94 dB
Audio Distortion	< 3%	< 3%
Dimension (H x W x D) with battery	4.5 x 2.4 x 1.0 in.	
Weight with battery and belt clip	6.4 oz.	
Programmable Addresses	15 per Channel	
Voice Storage Time	20 Minutes	
Power Supply	3.7V Li-Ion Battery Pack	
Battery Life ¹ (between charge cycles)	10 Days (80 hours)	
UL Intrinsicly Safe Rating ²	Yes	

ENVIRONMENTAL SPECIFICATIONS	
Operating temperature ³	-30 C to + 60C
Storage temperature	-40 C to + 85C
Thermal shock	Per MIL-STD 810C, D, E, F, G, H
Humidity	Per MIL-STD 810C, D, E, F, G, H
ESD	IEC 61000-4-2 level 3
Dust and water intrusion	IEC 60528 - IP6x IEC 60528 - IPx6 IEC 60528 - IPx7
Rain	Per MIL-STD 810 E (blowing rain) Per MIL-STD 810 G III (dripping rain)

¹ Duty cycle: 8 hour day / 5 messages @ 30 seconds each

² UL certified intrinsically safe for hazardous locations:

- Division 1, Class I, Group C, D,
Class II, Group E, F, G, Class III, T3C

³ Pager only - Li-Ion battery -10C to +60C

MILITARY STANDARDS (MIL-STD-810)												
	MIL-STD810C		MIL-STD810D		MIL-STD810E		MIL-STD810F		MIL-STD810G		MIL-STD810H	
	Method	Procedure	Method	Procedure	Method	Procedure	Method	Procedure	Method	Procedure	Method	Procedure
High Temperature	501.1	I, II	501.2	I/A1, II/A1	501.3	I/A1, II/A1	501.4	I/Hot, II/Hot	501.5	I/A1, II/A1	501.7	I/A1, II/A1
Low Pressure	502.1	I	502.2	I/C3, II/C1	502.3	I/C3, II/C1	502.4	I/C3, II/C1	502.5	I/C3, II/C1	502.7	I/C3, II/C1
Temperature Shock	503.1	I	503.2	I/A1C3	503.3	I/A1C3	503.4	I	503.5	I/C	503.7	I/C
Solar Radiation	505.1	II	505.2	I	505.3	I	505.4	I	505.5	I/AI	505.7	I/AI
Rain	506.1	I, II	506.2	I, II	506.3	I, II	506.4	I, III	506.5	I, III	506.7	I, III
Humidity	507.1	II	507.2	II	507.3	II	507.4	-	507.5	II	507.7	II
Salt Fog	509.1	I	509.2	I	509.3	I	509.4	-	509.5	-	509.7	-
Shock	516.2	I, III, V	516.3	I, V, VI	516.4	I, V, VI	516.5	I, V, VI	516.6	I, V, VI	516.8	I, V, VI
Shock (Drop)	516.2	II	516.3	IV	516.4	IV	516.5	IV	516.6	IV	516.8	IV
Vibration	514.2	VIII/F, W	514.3	I/10, II/3	514.4	I/10, II/3	514.5	I/24, II/5	514.6	I/24, II/5	514.8	I/24, II/5





To learn more, visit: www.motorolasolutions.com/minitor7



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