

LUNAR & Accessories

Data Sheet



LUNAR Specifications

Technical Specifications	
DIMENSIONS (MAX)	204 x 91 x 77 mm
WEIGHT	
LUNAR (WITHOUT BATTERY)	660 g
BATTERY	168 g
DISPLAY	Full color
DIAGONAL	3.5" (89 mm)
SCREEN RESOLUTION	320 x 480
THERMAL IMAGE RESOLUTION	206 x 156 (32,136 pixels)
FIELD OF VIEW	35 +/- 5 degrees horizontal 25 +/- 5 degrees vertical
NET EQUIVALENT TEMPERATURE DIFFERENCE	65mK (0.065°C) typical
TEMPERATURE MEASUREMENT	+/- 10°C with target temp 0-100°C +/- 10% with target temp 100°C-500°C
ENVIRONMENTAL AMBIENT TEMPERATURE AND OPERATING TIME	160°C (320°F) > 22 minutes 260°C (500°F) > 8 minutes
MAX TEMPERATURE READING	999°C
DYNAMIC RANGE	-40° to 330°C
THERMAL IMAGE FRAME RATE	16 Hz
THERMAL IMAGE PALETTES	>10 available
WIDE AREA CONNECTIVITY	Cellular (LTE-M)
LOCAL AREA CONNECTIVITY	LUNAR Local Alarm Network (self-contained) Bluetooth 5.1 Connectivity

Technical Specifications	
DEGREE OF PROTECTION/ INGRESS PROTECTION	IP67
CERTIFICATIONS	<i>UL Approval Type:</i> Gas Class I, Gas Groups C, D, Division 2 – T3 <i>CSA Approval Type:</i> Gas Class I, Gas Groups C, D, Division 2 – T3 <i>Intrinsically Safe/Nonincendive Equipment:</i> Class 1 Div 2 RED 2014/53/EU

Search & Rescue Technical Specifications	
*F.A.S.T. TECHNOLOGY DISTANCE	
ETSI/EN REGIONS	0.5 kilometers LoS
TRANSMISSION POWER	
ETSI/EN REGIONS	10 dBm / 10 mW
DIRECTION INDICATION	Circular polarized directional antenna
FREQUENCY	2.4 GHz
*LUNAR LOCAL ALARM NETWORK	Enables an independent ad hoc network keeping consistent connection between all networked LUNARs in range.

* Technology provided by Metirionic GmbH


Connectivity	
LTE-M **	Creates a direct LUNAR-to-cloud connection enabling local monitoring, remote monitoring, and data retention.
BLUETOOTH 5.1	Allows for two connections to other Bluetooth-enabled devices such as the G1 SCBA and ALTAIR® Gas Detection.

** Please check with local MSA team for availability


WHEN YOU GO IN, WE GO IN WITH YOU.

Battery & Charger Specifications


Battery Specifications	
BATTERY TYPE	Rechargeable lithium-ion battery pack
RUN TIME	8 hours <i>(normal use)</i>
CHARGE TIME	3 hours <i>(for depleted)</i>
CHARGE CYCLES	1000 charge cycles <i>(The battery will be at approximately 80% capacity)</i>




Single-Point Battery Charger Specification	
FUNCTIONALITY	Stand-alone battery charger will charge 1 battery <i>(installed or removed from the device)</i>
POWER SUPPLY	100 VAC to 240 VAC
LED INDICATORS	Red for charging, green for complete



Multi-Bay Battery Charger Functionality	
FUNCTIONALITY	Stand-alone battery charger will charge 6 batteries simultaneously <i>(can recharge M1 Control Module batteries as well)</i>
POWER SUPPLY	100 VAC to 240 VAC
LED INDICATORS	Red for charging, green for complete



Attachments	
SWIVEL QUICK DISCONNECT	Secures LUNAR to an SCBA or other equipment
TETHER	Optional retractor for securing the LUNAR to an M1 SCBA



Part Numbers

LUNAR	
10214748	LUNAR, EU
10214749	LUNAR, UK

ACCESSORIES	
10214756	Battery, Single Pack
10203941	Retractor Assembly, LUNAR
10214762	Rubber Boot Replacement
10214763	Swivel Quick Disconnect

CHARGING OPTIONS	
10214759	Single-Point Charger, EU
10214760	Single-Point Charger, UK
10214753	Multi-Bay Charger, EU
10214754	Multi-Bay Charger, UK

Note: This Bulletin contains only a general description of the products shown. While product uses and performance capabilities are generally described, the products shall not, under any circumstances, be used by untrained or unqualified individuals. The products shall not be used until the product instructions/user manual, which contains detailed information concerning the proper use and care of the products, including any warnings or cautions, have been thoroughly read and understood. Specifications are subject to change without prior notice.

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