

MSA G1 SCBA Integrated Thermal Imaging Camera



WHEN YOU GO IN, WE GO IN WITH YOU.

MSA provides vision and safety for all

MSA introduced one of the 1st firefighting thermal imaging cameras over a decade ago. In the years that follow, MSA has continued to refine and innovate the the handheld TIC market with industry leading products. The commitment to the vision and safety of the fire service has continued with the MSA G1 Integrated TIC, a thermal imaging camera integrated directly into the SCBA. This integration allows for faster, easier, and more reliable thermal imaging that is available to more firefighters than ever before.

The MSA G1 i TIC provides many of the benefits found in entry-level handheld cameras while providing the intuitive experience and rugged durability expected from MSA. The Integrated TIC can be ordered as an upgrade kit compatible with any fielded G1 SCBA or as an installed accessory on any new G1 SCBA order.

Features include outstanding image quality, a lightweight and ergonomic design, and multiple customization options to arrange the unit to each departments preference. The Integrated TIC takes advantage of the G1 SCBA's control module color screen to provide easy accessibility to thermal imaging any time that the SCBA has been powered on.



Features and Benefits

- NFPA 1981-2013 Compliant
- Compatible with all fielded G1 SCBAs via a simple field upgrade — Can also be ordered as an installed accessory on any new G1 SCBA
- Powered by the G1 SCBAs single integrated power source
- Easy customization of camera features via MSA A2 Software
- Integration into the SCBA control module means the Integrated TIC can never be forgotten or left behind
- Simple "Point and View" design allows for easy understanding of where the camera is aimed and what the user is viewing
- Single button functionality for simple, intuitive use
- Auto-On feature for iTIC screen to come on as SCBA is powered up
- Lightweight and small. Only 1.25" longer and 4.2oz heavier than a standard MSA G1 SCBA control module
- Standard 220x176 color display provides outstanding image quality
- 30Hz refresh rate for smooth image rendering and no screen freezing
- A full 5 year warranty on the thermal imager, extendable to 15 years to match the G1 SCBA
- 5 user selectable palettes available at one time with over 20 to choose from via MSA A2 software



Actual size



Technical Specifications

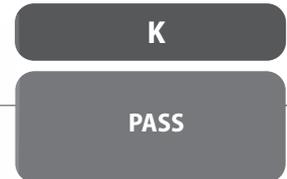
APPROXIMATE DIMENSIONS	6.5" x 3.0" x 1.5" (LxWxH) (165 mm x 76 mm x 38 mm)
SENSOR	Vanadium Oxide
WEIGHT	4.2 ounces heavier than a standard control module
POWER SOURCE	G1 internal power source
FIELD OF VIEW	35°H; 25°V
APPROVALS	NFPA 1981-2013, NIOSH CBRN
NET EQUIVALENT TEMPERATURE DIFFERENCE	<100mK (.10°C), average 75mK (.075°C) typical
TEMPERATURE MEASUREMENT	+/- 18°F (10°C) 0-220°F (0-100°C) +/- 10% 220°F-932°F (100°C-500°C)
SCREEN SIZE	220 x 176
DETECTION DISTANCE	490 Feet

INTEGRATED TIC UPGRADE KITS	
10175010-SP	G1 Control Module w/ Integrated TIC upgrade kit — 2216 psig
10175021-SP	G1 Control Module w/ Integrated TIC upgrade kit — 4500/5500 psig

ACCESSORIES	
10148741-SP	Replacement rechargeable power source for the G1 SCBA
10158385	Charging station - G1 SCBA rechargeable power source

MSA G1 SCBA Fire Service Edition ATO

A	B	C	D	E	F	G	H	J	K	L
System Pressure	Cylinder Connection	Harness	Cradle Type	Lumbar Type	Regulator Type	Regulator Hose Type	Emergency Breathing Support	Speaker Module	PASS	Battery Type
2 2216 psig 4 4500 psig	2 CGA Threaded Remold Connection 4 CGA Quick Connect Remold Connection	1 Standard without Chest Strap 2 Standard with Chest Strap 3 Serviceable Tantalum without Chest Strap 4 Serviceable Tantalum with Chest Strap	M Metal Band	B Basic A Adjustable Swiveling Lumbar Pad 1 Rescue Belt II Hook, SF 2 Rescue Belt II Carabiner, SF 3 Rescue Belt II SF Fire/ich Rope, Hook 4 Rescue Belt II SF Fire/ich Rope, Carabiner 5 Rescue Belt II Lightning Hook, SF Fire/ich Rope Rescue Belt II 6 Lightning Hook, SF Amamid Nylon Rope Rescue Belt II 7 Lightning GT Hook, SF Fire/ich Rope Rescue Belt II 8 Lightning GT Hook, SF Amamid Nylon Rope	1 Purge cover Left Shoulder † 2 Solid cover Left Shoulder †	C Continuous Q Quick Connect	0 None 1 Waist Mounted Quick Fill 2 Extendable II 3 Waist Mounted Quick Fill and Extendable II 5 Waist-mounted Quick Fill w/ hose and pouch 7 Waist-mounted Quick Fill w/ hose and pouch, Extendable II A Pouch only	L Left Chest †	A PASS Right Shoulder † C PASS Telemetry Right Shoulder † E PASS Right Shoulder w/ Integrated TIC † F Pass Telemetry Right Shoulder w/ Integrated TIC †	A Alkaline B Rechargeable * * If Telemetry is ordered B must be selected.



- A** PASS Right Shoulder †
- C** PASS Telemetry Right Shoulder †
- E** PASS Right Shoulder w/ Integrated TIC †
- G** Pass Telemetry Right Shoulder w/ Integrated TIC †

† As worn

Note: This Bulletin contains only a general description of the products shown. While uses and performance capabilities are described, under no circumstances shall the products be used by untrained or unqualified individuals and not until the product instructions including any warnings or cautions provided have been thoroughly read and understood. Only they contain the complete and detailed information concerning proper use and care of these products.



MSA – The Safety Company
1000 Cranberry Woods Drive
Cranberry Township, PA 16066 USA
Phone 724-776-8600
www.MSAsafety.com

U.S. Customer Service Center
Phone 1-800-MSA-2222
Fax 1-800-967-0398

MSA Canada
Phone 1-800-672-2222
Fax 1-800-967-0398

MSA Mexico
Phone 01 800 672 7222