

3M™ Scott™ EPIC 3 Voice Amplifier



Description

Effective communication is essential for first responders, who often face life-threatening scenarios.

Developed in response to the needs voiced by fire fighters and other emergency workers, the 3M™ Scott™ EPIC 3 Voice Amplifier offers first responders wearing respiratory protection equipment reliable, hands-free, person-to-person communications.

The EPIC 3 Voice Amplifier provides a dependable, easy-to-use means of voice communications with added features such as auto shut-off and directional speaker. When communication is critical, connect with 3M™ Scott™ EPIC communications products.

Specification

Physical

Dimensions	100mm x 60mm x 58mm
Weight	198g with 3 AAA batteries

Microphone

Type	High sensitivity microphone with auto gain control and breath detection technology
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Speaker

Type	Custom 40mm speaker
Frequency response	300-4000Hz

Communications

Facepiece voice enhancement	Amplifies and enhances facepiece voice intelligibility
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Part numbers

2031843	EPIC 3 Voice Amp AV-3000HT (open bracket)
2031844	EPIC 3 Voice Amp Vision3
2031845	EPIC 3 Voice Amp Promask

Speaker

Type	Custom 40mm speaker
Frequency response	300-4000Hz

Power

Source	3 – AAA Alkaline batteries, intrinsically safe; compatible with rechargeable NiMH batteries
Battery life	Designed to deliver 50 hours runtime with AAA Alkaline batteries @ 25% voice amplification duty cycle use

Environmental

High heat and flame	500°F/260°C for 5 min soak with a 10 second flame followed by a 6 inch drop
Standard heat and flame	203°F/95°C for 15 minute soak with a 10 second flame followed by a 6 inch drop
Radiant heat	15 kW/m ² for 5 minutes at 7 inches +/- 1 inch from heat source followed by a 6 inch drop
Storage temp	-30°C to +60°C
Humidity	MIL-STD 507.x PROC. II
Ingress protection	IP66 and IP67
Drop and tumble	6ft drop all 6 sides – 30 minute tumble

Regulatory approvals and certifications

NFPA	NFPA 1981 approved (2002/2007/2013 Editions). Complies with NFPA 2013 Edition SCBA Sound Transmission Index (STI) acoustic standards for voice intelligibility
NIOSH	Meets NIOSH 42 CFR, Part 84 certification standard
ESD	IEC/EN 61000-4-2
Intrinsic Safety Rating	UL 913, IS 6th and 7th Editions: Class I, II, III, Division 1, Groups C, D, E, F and G. Ex ia IIB T3 Ga IP66/67; IEC standards IEC 60079-0: 2007-10 Edition 5; and IEC 60079-11:2011 Edition 6.0

3M Scott Fire & Safety

Pimbo Road
Skelmersdale
Lancashire, WN8 9RA
United Kingdom

Phone +44 (0)1695 711711
E-Mail skelmenq@mmm.com
Web www.3Mscott.com

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