FIRE SPEAKER MICROPHONE

ADVANCED FIREFIGHTING DEVICE

UNIQUE SOLUTION FOR EXTREME FIREFIGHTING ENVIRONMENTS

Designed with input from fire agency professionals, the Fire Speaker Microphone offers advanced features and ruggedized hardware to meet the unique requirements and extreme conditions experienced by firefighters. The mic provides superior audio, temperature and environmental performance, and operates in immediate Danger to Life and Health (IDHL) situations.

KEY FEATURES

Large 45-mm, high-performance speaker produces extremely loud and clear audio to overcome fire scene noise

Mic is curved to direct audio up toward the user instead of out and away like other speaker microphones

Active noise cancellation embedded in the mic suppresses background noise and optimizes the quality of transmitted audio

Microphone meets MIL-STD-810G specifications and is IP68 rated for dust tight and immersion up to 1 meter

Supports XL-200P, XL-185P, Unity® XG-100P, XG-75P, XG-25P, XG-15P, P7300, P5500, P5400, and P5300 portables

The Fire Speaker Microphone delivers advanced features to support firefighters:

- Programmable, dual/PTT button for protection against accidental keying
- Simple controls are sized and shaped to accommodate gloved hand use in zero-visibility situations
- Easy access to hi/low volume control
- Innovative top and bottom mic ports and speaker grill are engineered to drain water (patent pending)
- Emergency strobe light linked to man-down and large, easy-to-find emergency button aids in dark, smoky conditions

- Man Down feature detects firefighter's lack of movement and transmits emergency signal
- High-visibility yellow mic option available

The Harris Fire Speaker Microphone is one of the first public safety mics to perform in the intense temperature environments described by NIST 1477. Engineered with special high-temperature materials (including a coiled cord) and features to perform in extreme heat, this mic provides superior communications and enhanced safety for firefighters.

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SPECIFICATIONS FOR: **FIRE SPEAKER MICROPHONE**

GENERAL SPECIFICATIONS

Dimensions (H x W x D):
4.8 x 2.9 x 1.8 in (122 x 74 x 46 mm)

Approximate Weight (oz):
10.5

Operating Temperature Range:
-4 to +203°F (continuous) (-20 to +95°C continuous)
+212°F (100°C) for 25 minutes – Meets NIST Class I
+320°F (160°C) for 15 minutes - Meets NIST Class II
*Ranges apply to all components of the device, including the speaker microphone,
  the coiled cord, and the connectors

Storage Temperature Range:
-40 to +185°F (-40 to +85°C)

Cable:
36-inch extended coil cord, shielded

Cable Pull (lb): 20

Cable Flex (cycles): 25,000

PTT Operations:
1 million nominal

Clothing Clip:
Rotates 360° with positive detents every 45°

Microphone Specifications Type:
MicroElectrical-Mechanical System (MEMS)
Frequency Range (Hz): 300 to 3,800

GENERAL SPECIFICATIONS (CONT'D)

Speaker Specifications Type: 45 mm, High Temperature

Sound Pressure Level:
Unity XG-100P: 102 dbSPL maximum
XG-75: 104 dbSPL maximum

Frequency Range: 300 to 3,800

Impedance: 8 ohm

Power Handling (Wrms): >2

Regulatory Specifications:
Meets FCC Part 15, Class B for radiated emissions

COLOR PART NUMBERS

Radio	Black	Yellow
XL-200P/XL-200P*i*	XL-AE1T	XL-AE1X
XL-185P/XL-185P*i*	XL-AE1T	XL-AE1X
Unity XG-100P	XP-AE1T	XP-AE1X
XG-75P/XG-75Pe	EV-AE1U	EV-AE1W
XG-25P	DP-AE1U	DP-AE1W
XG-15P	NA	XR-AE1W
P7300	EV-AE1U	EV-AE1W
P5500	EX-AE1U	EX-AE1W
P5400	EX-AE1U	EX-AE1W
P5300	EX-AE1U	EX-AE1W

ENVIRONMENTAL SPECIFICATIONS

Standard	Parameter	Methods & Procedures
MIL-STD-810G	Low Pressure	500.5 PI, PII
	High Temperature (Storage/Op)	501.5 PI, PII/Climate A2
	Low Temperature	502.5 PI, PII/Climate C1
	Temperature Shock	503.5 PI (C)
	Fluid Contamination	504.1 P1
	Solar Radiation (240 hours)	505.5 PI/Cat. A1
	Blowing Rain	506.5 PI
	Humidity	507.5 PII
	Salt Fog	509.5 PI
	Blowing Dust	510.5 PI, PII
	Explosive Atmosphere	511.5 PI
	Sinusoidal Vibration	514.6 PI/Cat. 4, PII/Cat. 5
	Shock (Drop)	516.6 PIV
	Dust-tight, Continuous Immersion	IP68

Technical specifications are subject to change without notice. Product sales are subject to applicable U.S. export control laws.

About Harris Corporation

Harris Corporation is a leading technology innovator, solving customers' toughest mission-critical challenges by providing solutions that connect, inform and protect. Harris supports government and commercial customers around the world.

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