

# HA87 Handset

Handset with one push-to-talk button, LCD display and keypad

## Article Number

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## Characteristics

- Graphics-enabled display with backlight
- Full DTMF keypad
- Integrated microcontroller
- Dynamic ear capsule
- Electret microphone capsule
- Durable spiral cable

## Scope of delivery

- Handset with spiral cable
- A8 cradle with screws

## Options

- Customized plugs and cables
- Software development kit (SDK)
- Customized display panel and keypad
- Flame-resistant housing
- [Minor modifications and individual adaptations](#) on request

## Application range

- Analogue and digital radio systems
- Hand-held controller for various public safety applications

## Accessories

- A8 cradle with screws

## Specifications

### General

Housing	PC-ABS plastic, black
Dimensions	Height 35 mm, width 50 mm, depth 160 mm (with cradle)
Weight	190 g (6.7 oz)
Connection	9-wire, halogen-free spiral cable, shielded, draw length 1.5 m max., RJ50 plug 10-pin connector
Operating and display elements	1 push-to-talk button, blue, 12 dialing keys, 9 function keys
Storage temperature	-30 °C to +80 °C (-22 °F to +178 °F)
Operating temperature	-20 °C to +70 °C (-4 °F to +158 °F)
Display	Backlit LCD with 96 x 54 pixels, graphics-enabled
Firmware	HA400

### Microphone

Operating voltage (DC)	9 V to 15 V
Frequency range	150 Hz to 8 kHz at -10 dB
Sensitivity (in LRGP)	34 mV/Pa (-29 dBV/Pa ± 3 dB)
Impedance	110 Ohm ± 20 % at 1 kHz
Directivity	Omnidirectional

### Earpiece

Frequency range	400 Hz to 4 kHz at -10 dB
Sensitivity	34 dBPa/V ± 3 dB (IEC 3.2 low-leak coupler)
Impedance	100 kOhm ± 20 % at 1 kHz
Max. input voltage	80 mV