

# DP4801EX UHF / DP4801EX VHF DP4401EX UHF / DP4401EX VHF Handheld Radio Transceivers



## Features and Functions

- 5-tone selective call and private line prevent interferences by other radio subscribers
- 1 W transmission power
- 403 to 527 MHz with UHF version
- 136 to 174 MHz with VHF version
- 12.5 / 20 / 25 kHz programmable channel spacing
- Handsfree operation when used with VOX headset

The handheld radio transceivers of the DP4801EX and DP4401EX series allow flexible wireless communication in potentially explosive areas. The DP4801EX UHF and DP4401EX UHF types can be used in 70 cm UHF areas and the DP4801EX VHF and DP4401EX VHF types in 2 m VHF areas.

The various types differ mainly in their scope of functions. The devices of the DP4401EX series provide 32 channels. The more convenient DP4801EX devices are equipped with display, keypad and 1,000 channels.

## Other Features

- Low weight and ergonomic design
- Limitation of transmission time possible
- Integration into INDUSTRONIC communication and public address systems

## Mechanical Data

- |  |   |
|--|---|
| • Height x width x depth (incl. lithium ion battery) | 138.5 mm x 56.7 mm x 39.8 mm (5.5" x 2.2" x 1.6") |
| • Weight of DP4801EX                                 | Approx. 482.5 g (approx. 1.1 lbs)                 |
| • Weight of DP4401EX                                 | Approx. 455.5 g (approx. 1 lbs)                   |

<b>Electrical Data</b>		
Transmitter	• Power supply	Battery 7.4 V
	• Frequency range	VHF: 136 MHz to 174 MHz UHF: 403 MHz to 527 MHz
	• Channel spacing	12.5 / 20 / 25 kHz
	• Average battery life at 5/5/90 cycle	16 h
	• Transmission power	1 W
	• Modulation limits	+/-2.5 kHz at 12.5 kHz +/-4.0 kHz at 20.0 kHz +/-5.0 kHz at 25.0 kHz
	• FM hum and noise	> -40 dB at 12.5 kHz > -45 dB at 20 / 25 kHz
Receiver	• Rated audio power	0.5 W
	• Sensitivity (12dBSINAD) EIA	0.25 µV typ.

<b>Environmental Requirements and Standards</b>		
• Ambient temperature during operation		-20 °C to +55 °C (-4 °F to +131 °F)
• Dust and humidity		MIL STD810D,E,F,G
• Ingress of water		IEC 60529 IP67
• ATEX dust protection		II 2D Ex IIIC T130°C
• ATEX gas protection		II 2G Ex ib IIC T4

Type Overview	Channels	Frequency Range	Channel Spacing	Type	Type Number
1,000		403 MHz to 527 MHz	12.5 / 20 / 25 kHz	DP4801EX UHF	386-063-100
		136 MHz to 174 MHz	12.5 / 20 / 25 kHz	DP4801EX VHF	386-063-200
32		403 MHz to 527 MHz	12.5 / 20 / 25 kHz	DP4401EX UHF	386-063-300
		136 MHz to 174 MHz	12.5 / 20 / 25 kHz	DP4401EX VHF	386-063-400

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