

## PD355LF

License-free DMR handheld radio (PMR446)



### License-free DMR radio

The PD355LF is a license-free DMR radio in smartphone format. It works in the 446 MHz frequency range and is therefore one of the first license-free DMR radios on the market.

### Support of analog & digital mobile radio

The PD355LF was developed in compliance with the ETSI Digital Mobile Radio (DMR) standard. The handheld radio supports license-free operation according to DMR Tier I. It can also be operated as an analog radio.

### 32 preprogrammed channels

With its embedded digital technology, the PD355LF 32 supports pre-programmed channels. Of these channels, 16 are analog and 16 digital, divided into three zones.



# Technical Data PD355LF

General data	
Frequency range	UHF: 446.0 – 446.2 MHz
Supported operating modes	<ul style="list-style-type: none"> <li>▪ DMR Tier I (license-free DMR) ETSI TS 102 361-1/2/3</li> <li>▪ PMR446 analog mobile radio</li> </ul>
Number of channels	32
Number of zones	16 (3 zones with 32 channels preconfigured)
Channel spacing	12.5 kHz (analog) 12.5 kHz (digital)
Operating voltage	3.7 V (nominal)
Standard battery	2000 mAh (lithium-ion battery)
Battery service life (5-5-90 duty cycle)	approx. 12 hours (digital)
Frequency stability	± 0.5 ppm
Antenna impedance	50 Ω
Dimensions (H × W × D, without antenna)	123 × 58 × 23 mm
Weight (with antenna and standard battery)	ca. 160 g
LCD display	monochrome LCD display, 3 lines

Transmitter	
Transmitting power	0.5 W
Digital vocoder type	AMBE +2™

Environmental conditions	
Operating temperature range	- 30 °C to + 60 °C
Storage temperature range	- 40 °C to + 85 °C
ESD	IEC 61000-4-2 (Level 4), ± 8 kV (contact), ± 15 kV (air)
Protection against dust and moisture	IP54
Shock and vibration resistance	MIL-STD-810 C / D / E / F / G

All technical information was determined at the factory and in accordance with the corresponding standards. Subject to change on the basis of continuous development.



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Encryption features are optional and have to be configured separately; they are also subject to German and European export regulations.

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