

HYTERA PD505LF

HANDHELD PMR446 LICENSE FREE - ANALOGUE/DIGITAL -



The new Hytera PD505LF is a digital PMR446 license free radio.

Light and sleek, this radio is easy to use in analogue and digital modes. It has a compact size and is capable of reaching long communication distance which makes it ideal for a school or university campus. With all the benefits of digital and its user friendly design, yet affordable, PD505 is particularly suitable for a cost effective migration to digital.

Features

Supports analogue and digital radio

The PD505LF 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 analogue radio.

Ergonomical design

The PD505LF handheld radio is easy to operate and highly reliable, which is indispensable in critical situations.

Individual button design

The two rotary buttons of the radio transceiver are separated by the antenna. This design prevents operating errors.

Reliability

The PD505LF meets all requirements of the open DMR ETSI standard (ETSI-TS 102 361-1, -2, -3), the MIL810-C/D/E/F/G standard, and degree of protection IP54. Thus excellent features are offered even under harsh operating conditions.

Further functions

- : Dust and water protection according to IP54
- : Shock and vibration resistance according to MIL-STD-810 C/D/E/F/G
- : Versatile voice calls: Individual call, group call, and broadcast call on digital channels
- : Analog signaling: 5-tone, 2-tone, HDC1200, CTCSS, CDCSS for analog channels
- : Squelch in analog operation
- : Scan function for analog and digital channels: The radio's scan function searches for preprogrammed channels. If a call is detected on a channel, the device stays on that channel until the call is over.
- : Although the PD505LF has no display, it supports text messages: Up to 25 preprogrammed text messages can be saved. Two can be sent using a programmable button by pressing or pressing and holding.
- : Programmable button that can be assigned two functions. These functions can be selected by pressing or pressing and holding.
- : Status LED: The status LED shows if the radio is sending, receiving, scanning, or if the battery is empty, for example. Use the radio programming to disable individual status displays.

Article id: HYTERA PD505LF

Price: € 259,00

ex VAT € 214,05

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- : Hytera basis encryption with 40 Bit
- : VOX (programmable)
- : TDMA direct mode for DMR: Two independent conversations can be held simultaneously on one frequency.
- : Various accessories (e.g. loudspeaker microphone, 6-slot charging station)

Technical Data

Frequency range : UHF 446,0 – 446,2 MHz
Supported operating modes : DMR Tier I (license-free DMR) | Analogue PMR446
: DMR Tier I according to ETSI TS 102 361-1/2/3
Channel capacity : 32
Number of zones : 3
Channel spacing : 12.5 kHz (analogue, digital)
Battery service life : approx. 16 hours (digital) - 5/5/90 duty cycle-
Standard battery : 1500 mAh (lithium-ion battery)
Transmitting power : 0.5 W
Frequency stability : ± 0.5 ppm
Antenna impedance : 50 Ω
Digital vocoder type : AMBE+2™
Operating voltage : 7.4 V
Dust and water protection : IP54
Shock and vibration resistance : MIL-STD-810 C/D/E/F/G
Operating temperature range : -30 °C to +60 °C
Storage temperature range : -40 °C to +85 °C
Dimensions (HxWxD) : 115 x 54 x 27 mm
Weight : approx. 260 g

The handheld is supplied with:

- Handheld Radio
- Lithium-ion battery (1500mAh)
- Charger
- EU power supply unit
- Fixed antenna
- Hand strap (leather) and belt clip
- Manual (English)

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