



PD3 Series

DMR handheld radios

The PD3 series from Hytera offers you business radios in pocket format. The compact design and intuitive operation make these DMR handheld radios your companion for reliable digital radio communication.



Radios

PD3 Series

PD355
PD365
DMR handheld radios



Highlights

Digital mobile radio never looked so good

The radios of the PD3 series excel through their stylish and compact design in smartphone format and their intuitive operation. With a weight of only 160 g, they can be carried conveniently even on long working days.

Support of analog and digital mobile radio

The PD3 series was developed in compliance with the ETSI mobile radio standard Digital Mobile Radio (DMR). The handheld radios support the conventional DMR operation and can also be operated in analog mode.

Integrated antenna design

The unique integrated antenna design enables excellent availability without a large antenna on the radio.

Affordable pricing

The terminals of the PD3 series offer not only many functions, but also a quick, no-nonsense start into digital mobile radio at a fair price.

Long battery service life

The lithium-ion batteries (2000 mAh) included in the delivery enable the PD3 handheld radios to achieve an operating time of at least 12 hours in digital mode, with a duty cycle of 5-5-90.

Additional Functions (selection)

- Selectable transmitting power: 1.5 W or 3 W
- Analog signaling: CTCSS, CDCSS
- Dust and water protection according to IP54
- Shock and vibration resistance according to MIL-STD-810 C/D/E/F/G
- DMR text messages with up to 64 characters
- Four programmable keys
- Charging and programming via Micro-USB interface
- Scan function for analog and digital channels
- Versatile voice calls: Individual call, group call, and broadcast call on digital channels



Micro-USB port for charging and programming

Integrated antenna design



Compact design and easily readable display

Programmable keys

Standard scope of delivery

Additional accessories (selection)



Lithium-ion battery (2000 mAh) BL2009



EU power supply unit for Micro-USB PS1029



Programming cable USB PC69



Earphone with C-clip EH516



Hand strap (Nylon) RO01



Belt clip BC20 (PD355), BC21 (PD365)

Technical Data

| General data | |
|---|--|
| Frequency range | UHF: 400 – 440 MHz, 430 – 470 MHz |
| Supported operating modes | <ul style="list-style-type: none"> DMR Tier II in acc. with ETSI TS 102 361-1/2/3 Analog |
| Channel capacity | 256 |
| Zone capacity | 16 |
| Channel spacing | 12.5 / 25 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, high transmitting power, standard battery) | approx. 10 hours (analog) approx. 12 hours (digital) |
| Frequency stability | ± 0.5 ppm |
| Antenna impedance | 50 Ω |
| Dimensions (H × B × T) (without antenna) | 123 × 58 × 23 mm (PD355) 135 × 58 × 24 mm (PD365) |
| Weight (with antenna and standard battery) | approx. 160 g |

| Ambient data | |
|--------------------------------|---|
| 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) |
| Dust and water protection | IP54 |
| Shock and vibration resistance | MIL-STD-810 C/D/E/F/G |
| Relative humidity | MIL-STD-810 C/D/E/F/G |

| Transmitter | |
|-----------------------------------|---|
| Transmitting power | UHF: 1.5 / 3 W |
| Modulation | 11 K0F3E at 12.5 kHz 16 K0F3E at 25 kHz |
| 4FSK digital modulation | 12.5 kHz (data only): 7K60FXD 12.5 kHz (data and voice): 7K60FXW |
| Interfering signals and harmonics | - 36 dBm (< 1 GHz) - 30 dBm (> 1 GHz) |
| Modulation limiting | ± 2.5 kHz at 12.5 kHz ± 5.0 kHz at 25 kHz |
| Hum and noise | 40 dB at 12.5 kHz 45 dB at 25 kHz |
| Adjacent channel selectivity | 60 dB at 12,5 kHz 70 dB at 25 kHz |
| Audio sensitivity | + 1 dB at - 3 dB |
| Nominal audio distortion | ≤ 3% |
| Digital vocoder type | AMBE+2™ |

| Receiver | |
|---|--|
| Sensitivity (analog) | 0.22 µV (typical) (12 dB SINAD) 0.4 µV (20 dB SINAD) 0.22 µV (12 dB SINAD) |
| Sensitivity (digital) | 0.22 µV / BER 5 % |
| Adjacent channel selectivity TIA-603 ETSI | 60 dB at 12,5 kHz / 70 dB at 25 kHz 60 dB at 12,5 kHz / 70 dB at 25 kHz |
| Intermodulation TIA-603 ETSI | 70 dB at 12,5 / 25 kHz 65 dB at 12,5 / 25 kHz |
| Spurious response rejection TIA-603 ETSI | 70 dB at 12,5 / 25 kHz 70 dB at 12,5 / 25 kHz |
| Hum and noise | 40 dB at 12.5 kHz 45 dB at 25 kHz |
| Audio power output | 0,4 W |
| Nominal audio distortion | ≤ 5 % |
| Audio sensitivity | + 1 dB at - 3 dB |
| Conducted spurious emission | < - 57 dBm |

All technical specifications were tested according to the relevant standards. Subject to change on the basis of continuous development.

Your Hytera partner:



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