DECT with explosion protection

funktel

funktel FC4 (S) Ex HS

DECT Industrial Handsets
with latest ATEX Certification

Ex protection

FC4 S Ex HS

FC4 Ex HS

- Explosion protection for gas in zones 1 and 2
- Robust housing with IP65 protection rating
- Color display with 65536 colors, shatterproof
- Intuitive graphical user interface
- Illuminated, abrasion-resistant keys with colored hotkeys for menus
- 20 MIDI ringtones, volume up to 92 dB(A)
- Custom signaling for internal-, external call, **and messaging** (tone type, volume, duration, vibration with temporary mute function)
- Hotkey for local phonebook (up to 500 entries)
- User-replaceable, screwed Li-Ion battery with graphical charge level indicator
- Diversity DECT antenna for improved connection quality
- Loudspeaker for hands-free operation

Additional features of the FC4 S Ex HS:

- Alarm sensors and buttons for integration into BG-certified personal emergency systems
- Precise localization with IOS beacons

Quality made in Germany

Professional protection of your employees

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The new ATEX DECT handsets FC4 Ex HS and FC4 S Ex HS represent funktel's proven and robust industrial handsets with DECT-based integrated voice and data communication, certified for explosion protection according to the latest European ATEX guideline.

The intrinsically safe handsets of the **FC4 Ex HS series** integrate seamlessly into all existing DECT™ systems thanks to GAP compatibility. Featuring high-resolution colour displays, a symbol-based user interface, and an illuminated keypad with coloured function keys, the devices are extremely user-friendly

A user-replaceable battery with state-of-the-art power management, versatile configuration options for operation and signaling advanced messaging functions, and comprehensive communication lists make the FC4 Ex series ergonomic and highly functional – ensuring maximum security in operation and information access.

The **funktel FC4 S Ex HS** additionally provides all typical funktel personal emergency functions, offering active protection for life and safety in hazardous environments for lone workers. These features meet the strict requirements of the latest European ATEX guideline. A variety of will-dependent alarms (pushbutton and warn alarm) and will-independent alarms (position, tear-off, no-motion, and time alarms) ensure comprehensive safety.

In a special configuration, the FC4 S Ex HS can be used for basic telephony alarm applications in existing GAP-compatible DECT systems. Without requiring a dedicated alarm centre, pushbutton and position alarms can be triggered and transmitted to pre-configured numbers via call.

Technical data of the funktel FM6

Dimensions (FC4 Ex HS / FC4 S Ex HS)

Dimensions (L x W x H):	ca. 141 x 47 x 35 mm* / ca. 168 x 47 x 35 mm*
Weight (incl. battery):	ca. 133 g / ca. 155 g

Protection classes

Explosion protection zone 1 and 2:	Gas according ATEX 2014/34/EU: II 2G Ex ib IIC T4 Gb
Degree of protection:	IP 65 (dust proof and protected against jetted water)

Power supply

Lithium-ionen battery, replaceable:	800 mAh (screwed)
Charging time:	approx. 5 h
Talking time:	up to 15 h**

DECT-HF

Frequency range:	1.88 ... 1,9 GHz
Transmission power:	Average 10 mW, peak 250 mW

Acoustic features

Acoustic signalling:	up to 92 dB(A)*** within a distance of 30 cm
Loudspeaker:	at the back side
Hands-free talking	excellent voice quality
Vibration alarm:	additional or silent signalling

Accessories

Single charger:	Charger DC4 S/ex fuse box
Multi charger:	Charger 6x DC4 S/ex fuse box
Leather bag:	Belt pouch
MEM-Card:	Data memory for easy device replacement
Clip	

Software

Mem-Card-Tool for Windows incl. USB-Card-Reader

*) *Without clip: 141 x 47 x 24 mm / 168 x 47 x 24 mm*
**) *depending on display illumination, temperature and PNA / messaging operation*
***) *According to selected ring tone, suitable for use in noisy environments*

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