

funkwerk FT4 Ex

ATEX TETRA explosion-protected radio set



High performance and security in explosive environments

Highlights:

- Explosion protection according to ATEX standard
- ► High-resolution 2.2" TFT colour display, 240 x 320 pixels (QVGA), 262,000 colours
- ► Outdoor-compatible due to IP 65 protection (jet-proof and dust-tight)
- ► Robust, shock-resistant housing with all-round rubber bumping as additional shock absorber
- Extensive range of ATEX audio accessories, can be screwed to lateral 12-pin interface (IP 65)
- ► Illuminated and clearly differentiated keys for safe handling, even with gloves
- ► Two microphones, one loudspeaker and receiver capsule for clear and loud audio communication
- ▶ Big red emergency call button
- ► Individually assignable function keys
- Optical signalling of network login and alarm messaging status





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ATEX TETRA explosion-protected radio set

Features:

- ▶ TETRA radio set according to ETSI standard
- Explosion protection according to ATEX standard
- ▶ Red and easily reachable emergency call button
- ▶ Emergency call in TMO and DMO mode
- ▶ Vibration alarm
- ▶ Programming via USB interface
- ▶ PEI interface
- ▶ SIM-card slot for E2E encryption
- ► Integrated GPS receiver (option)

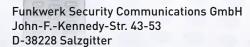
Optional FT4 series accessories:

- ► ATEX- and IP 65-compatible audio accessories
- Desktop charger with second charging slot for additional battery charging
- ▶ 4-fold multi-charger
- ► Programming station with charging function for unit programming via USB, including PEI interface

Technical data of funkwerk FT4 Ex TETRA handset		
Dimensions:	145 x 60 x 36 mm	(without antenna)
Weight:	359 g (with 1500 mAh explosion-proof battery)	
Degree of protection:	IP 65, water and dust	according to IEC 60529
Explosion protection:	Gas:	II 2G Ex ib IIA T3
(ATEX)	Gas.	II 2G Ex ib IIC T4*
(AIEA)	Dust:	II 2D Ex ibD T125°C IP 6x*
Temperature ranges	Operation:	-20 +55°C
Temperature ranges:		0 +40°C
	Charging:	-30 +75°C
D	Storage (without battery):	
Power supply:	Lithium polymer battery, 3.7 V, 1500 mAh,	
	explosion-proof, incl. vibration function	
Operating time:	Up to 8 h (5/5/90) with 1500 mAh ba	•
RF specifications:	Frequency range:	380-430 MHz
		other frequency ranges on request
	RF channel bandwidth:	25 KHz
	Duplex spacing:	10 MHz (380–470 MHz)
	RF transmit power:	1 Watt, performance class 4
	Receiver class:	A&B
	Transmit power regulation:	in 3 steps of 5 dB each
	Sensitivity (static/dynamic):	-112 dbm / -103 dbm
Operating modes:	GPS (option):	integrated GPS antenna
Display:	High-resolution 2.2" TFT colour display	
	Up to 262,000 colours with 240 x 320 pixels (QVGA)	
Keys / controls:	Operating concept for easy handling:	
	▶ Illuminated alphanumeric keypad	
	Full and partial keypad blocking	
	 Operation even with gloves due to clearly differentiated keys 3 lateral freely assignable function keys Big and easily reachable emergency button 	
	3 navigation and 2 selection keys for easy menu navigation	
	Two-level rotary button for volume and group selection	
	Phone book for telephone and radio users	
	Scan list function with 16 lists and 16 voice groups per list	
Voice services (TMO):	Group call, Late Entry, Individual call, Half / full duplex, Telephony,	
	Full duplex, Emergency calls, TETRA and in the public network (e.g. 911)	
Voice services (DMO):	Group call, Individual call, Emergency call to DMO group,	
	Support for DMO gateway mode	
Messages:	Status messages	Definition of up to 32 status messages
	Short messages	Storage of up to 16 short messages (SDS)
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Charger with additional charging slot for second battery



Robust, shock-resistant housing, illuminated keypad with good differentiation for use when wearing gloves