funkwerk))

Operational Handheld (OPH)

HANDHELD focX® 2

The handheld focX 2 is the latest member of our focX® product portfolio. It is a GSM-R terminal for professional mobile communication applications.

It meets the European requirements for the use of handheld radios. It is the first hand-held radio available worldwide with integrated filters to meet the interference immu-nity requirements of TS 102-933, v2.1.1. This ensures seamless communication in the GSM-R range.

CHARACTERISTICS

The handheld is equipped with a GSM-R radio modu-le, which ensures communication in the railway ra-dio network. In addition, interfaces for public networks (2G/3G/4G), WLAN and Bluetooth are provided and can be used in future applications.

The handheld is operated with a transmission power of 2 W in GSM-R mode. The user-friendly menu navigation supports secure communication.

HIGHLIGHTS

» Android platform

» intuitive touchscreen user interface

» physical keypad / hard keys

» separate emergency call and PTT button

» exchangeable battery

» PTT function

» extremely robust design

» meets railway specific requirements according to ETSI TS 102 933 V2.1.1

» excellent protection against HF interference signals

TECHNICAL DATA

DIMENSIONS + WEIGHT

Height	147.5 mm
Width	72.2 mm
Depth	35 mm
Weight	ca. 342 g

RADIO CHARACTERISTIC

Frequency bands	2G/GSM/GSM-R	ER-GSM/GSM 900/E-GSM 900/DCS 1800
	3G/WCDM*	B1/B2/B5/B8
	4G/LTE*	B1/B3/B5/B7/B8/B20/B28/B34/B38/B39/B40/B41/B42
Transmitting power	2 W (GSM/GSM-R), 1 W (DCS 1800), 250 mW (3G/WCDM), 200 mW (4G/LTE)	

ENVIRONMENTAL CHARACTERISTICS

Operating temperature	-25 °C to +55°C
Storage temperature	-40 °C to + 85° C
Protection class	IP65 (dust-tight, protected from water jets)
Chemical resistance	against influences from brake fluid, engine and gearbox oil

TECHNICAL DATA

Display	3.5" colour display, 320 x 480 pixels (HVGA)
Audio	1 microphones, 2 loudspeakers
Battery	5.500 mAh Lithium-ion battery (changeable)

TECHNICAL DATA

EXTRAS

automatic band recognition
GSM ASCI application (phase 2+)
GSM-R application without shunting mode*
GPS / GLONASS / GALILEO / Beidou

FUNCTIONAL CHARACTERISTICS

usable with gloves	camera 13MP
left side PTT button	Wifi standards a/b/g/n/ac
MicroSD card slot	RF monitor
quick dialling register	SMS
automatic redialling	Dual SIM
Tilting sensor optional	configuration cloning
Bluetooth 5 BLE	LAS button left
Specific emergency button	Touchdisplay
Sensors: Distance sensor, Accelerometer, Light sensor, Magnetic sensor	
configuration and software update via external interface	

*(available in future software version)