

Operational Handheld (OPH)

Radio Characteristics

Frequency bands	GSM-R, ER-GSM, GSM900, E-GSM900, DCS 1800
Transmitting power	2 W (GSM / GSM-R), 1 W (DCS 1800)
Data transmission	GPRS class 10
Modulation type	GMSK

Dimensions & Weight

Height	145 mm
Width	60 mm
Depth	36 mm
Weight (incl. battery)	ca. 300 g

Environmental Characteristics

Operating temperature	-25°C to +46°C
Storage temperature	-40°C to +85°C
Protection class	IP65 (dust- and water-resistant)
Chemical resistance	against influences from brake fluid, engine and gearbox oil

Technical Data

Display	2.2" TFT colour display, 240 x 320 pixels (QVGA)
Audio	2 microphones, 2 loudspeakers
Battery	2900 mAh (Lithium-Polymer battery)
Interfaces	peripheral accessory interface & RS 232 (remote microphone, headset, etc.)

Extras

automatic band recognition	GSM ASCII application (phase 2+)
GPS optional	GSM-R application without shunting mode

Functional Characteristics

usable with gloves	left side PTT button(right side optional)	MicroSD card slot
Walkie-Talkie mode	microphone muting	audio recorder / player
quick dialling register	automatic redialling	Tilting sensor optional
configuration cloning	RF monitor	SMS
menue scroll & select	LED indication for status and operation mode	
emergency call audio recorder	remote control by external operating device	
automatic hang-up after call	configuration and software update via external interface	

