

RES.Q XS / RES.Q S / RES.Q M



NEW
frequency
programmable
146-155 MHz,
155-164 MHz,
164-174 MHz

Key features

- > Confirmation and user response
- > Send status reports
- > Exceptional reception abilities
- > 32 main addresses (RICs) with 4 sub-addresses each (128 individual addresses)
- > 64 select as well as toggle profiles available
- > Programmable bandwidth up to 10 MHz (Wide PLL)
- > 128 RIC names with 8 characters
- > Signal strength indicator (RSSI)
- > Option: IDEA™ encryption (128 Bit)
- > Option: multi-channel, scanner in one device

Effective personnel strength at a glance

-))) The RES.Q is Swissphones most innovative alerting terminal. Alerts are sent using the time-tested and reliable POCSAG technology. Additionally it is possible to send feedback from the RES.Q using the integrated GSM module. There are two different forms of feedback:
 1. Technical feedback: The RES.Q sends an acknowledgement to the operations centre as soon as it receives an alarm. Alerts can be forwarded to deputies in case no acknowledgement is received in the operations centre.
 2. Tactical feedback: The receiver of a message confirms whether he will attend or not. The officer in charge immediately knows the effective personnel strength and can alert additional rescue forces if necessary.
-))) The GSM channel can be used to send user availability or to monitor the device status.
-))) The **RES.Q XS** is the basic model. It features an internal GSM module to offer technical acknowledgements and tactical confirmations
-))) The **RES.Q S** offers additional localisation capabilities using an integrated GPS receiver. This makes it possible to locate personnel and determine how far they are from the place of action.
-))) The **RES.Q M** offers the possibility to send an emergency call via an emergency button.

RES.Q XS / RES.Q S / RES.Q M

	Performance features	RES.Q	
Standards, compliance and environmental conditions	Standards	EN 60068-2-27 (Shock) EN 60068-2-6 (Vibration) EN 60068-2-32 (Drop test) EN 60529:1991 + A1:2000 IP52* EN 301489-1/-5/-7 (Electromagnetic compatibility, EMV) EN 62209-2 (Specific absorption rate SAR) *IP54 ensured with leather carry bag (see accessories)	
	Compliance	TR-BOS (DMEII), ETSI EN 300 390	
	Temperature range	-20 to +55 °C, GSM module (-10 to +55 °C)	
	POCSAG	Frequency bands (other frequencies on request)	VHF 4-m band 81-88 MHz VHF 2-m band 146-155 / 155-164 / 164-174 MHz UHF 70-cm band 450-470 MHz
		Frequency processing	PLL, frequency adjustable via programming software: • VHF 4-m band: up to ±0.5 MHz • VHF 2-m band: whole sub-band (9/10 MHz) • UHF: up to ±1.0 MHz
		Channel spacing	12.5, 20/25 kHz
		Sensitivity*: @ 512 Bit/s @ 1200 Bit/s @ 2400 Bit/s *typical value at 2 m UB (best position on "salty man")	3.0 µV/m 3.5 µV/m 4.0 µV/m
		Signal strength indicator (RSSI)	5 bar display. More bars means stronger signal
		Cap codes (RIC)	<ul style="list-style-type: none"> • 32 cap codes (RIC), with 4 sub-addresses each, frame independent • 128 single addresses (any combination of RIC and SubRIC) • 128 RIC names with 8 characters
		Alerting	<ul style="list-style-type: none"> • Acoustic > 88 dB(A) @ 30 cm distance • Vibration • Bright display backlight • Up to 64 user profiles or selectable RICs
		Messages	<ul style="list-style-type: none"> • More than 100 messages of up to 253 characters • Up to two additional message folders • 128 fixed texts with 32 characters each can be stored • PIN secured message storage
		Supports	<ul style="list-style-type: none"> • Express-Alarm® • On-air programming
		Options	<ul style="list-style-type: none"> • IDEA™ encryption (128 Bit) • Multi-channel, scanner
Display and case	Display	<ul style="list-style-type: none"> • Fully graphical display • White backlight • Font sizes (lines x characters): 3x16, 4x21, 5x21 or 3/4/5 Lines proportional fonts 	
	Dimensions (H x W x D)	80 x 53 x 24 mm	
	Weight (incl. battery)	110 g	
Power management	Type of battery	Lithium-polymer rechargeable battery 480 mAh (charger included)	
	Operating time	POCSAG only: approx. 250 h POCSAG/GSM (response): approx. 120 h	
GSM module	Frequency bands	Dual band: 900 MHz (GSM 900 & E-GSM) 1800 MHz (DCS-1800, GSM-1800)	
	Transmitting power	Max. 2W @ 900 MHz Max. 1W @ 1800 MHz	
	Connection	SMS, GPRS class 10, operating mode class B	
	Network identification	Via valid SIM card	
GPS module (RES.Q S and RES.Q M only)	Channels	50	
	Sensitivity in tracking mode	-162 dBm	
	Current time and date	UTC synchronisation via GPS	
Accessories	Programming software	PSWplus	
	Chargers	<ul style="list-style-type: none"> • LiGRA Expert 	
	Carrier bags	<ul style="list-style-type: none"> • Leather case • Safety chain 	

Specifications subject to change

Additional information: www.swissphone.com



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