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

## 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

> 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 und 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.

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

| | Performance features | RES.Q |
|---|---|---|
| **Standards, compliance and environmental conditions** | Standards | EN 60068-2-27 (Shock)<br>EN 60068-2-6 (Vibration)<br>EN 60068-2-32 (Drop test)<br>EN 60529:1991 + A1:2000 IP52*<br>EN 301489-1/-5/-7 (Electromagnetic compatibility, EMV)<br>EN 62209-2 (Specific absorption rate SAR)<br>*IP54 ensured with leather carry bag (see accessories) |
| | Compliance | TR-BOS (DMEII + DMEIII), ETSI EN 300 390 |
| | Temperature range | -20 to +55 °C, GSM module (-10 to +55 °C) |
| **POCSAG** | Frequency bands<br>(other frequencies on request) | VHF 4-m band 81- 88 MHz<br>VHF 2-m band 146-155 / 155-164 / 164-174 MHz<br>UHF 70-cm band 450-470 MHz |
| | Frequency processing | PLL, frequency adjustable via programming software:<br>• VHF: up to ±0.5 MHz<br>• UHF: up to ±1.0 MHz |
| | Channel spacing | 12.5, 20/25 kHz |
| | Sensitivity*: @ 512 Bit/s<br>@ 1200 Bit/s<br>@ 2400 Bit/s<br>*typical value at 2 m UB (best position on "salty man") | 3.0 µV/m<br>3.5 µV/m<br>4.0 µV/m |
| | Signal strength indicator (RSSI) | 5 bar display. More bars means stronger signal |
| | Cap codes (RIC) | • 32 cap codes (RIC), with 4 sub-addresses each, frame independent<br>• 128 single addresses (any combination of RIC and SubRIC)<br>• 128 RIC names with 8 characters |
| | Alerting | • Acoustic > 88 dB(A) @ 30 cm distance<br>• Vibration<br>• Bright display backlight<br>• Up to 64 user profiles or selectable RICs |
| | Messages | • More than 100 messages of up to 253 characters<br>• Up to two additional message folders<br>• 128 fixed texts with 32 characters each can be stored<br>• PIN secured message storage |
| | Supports | • Express-Alarm®<br>• On-air programming |
| | Options | • IDEA™ encryption (128 Bit)<br>• Multi-channel, scanner |
| **Display and case** | Display | • Fully graphical display<br>• White backlight<br>• 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 470 mAh (charger included) |
| | Operating time | POCSAG only: approx. 250 h<br>POCSAG/GSM (response): approx. 120 h |
| **GSM module** | Frequency bands | Dual band: 900 MHz (GSM 900 & E-GSM)<br>1800 MHz (DCS-1800, GSM-1800) |
| | Transmitting power | Max. 2W @ 900 MHz<br>Max. 1W @ 1800 MHz |
| | Connection | SMS, GPRS class 10, operating mode class B |
| | Network identification | Via valid SIM card |
| **GPS module**<br>(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 | • LiGRA Expert |
| | Carrier bags | • Leather case<br>• Safety chain |

Specifications subject to change

Additional information: www.swissphone.com

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RoHS
2002/95/EC