



Swissphone – s.QUAD ATEX

Digital & Analog pager

ALERTING IN HAZARDOUS AREAS

The sturdy, convenient pager was designed for individuals who work in dangerous environments and have to be reachable at all times. The pager can even be used in the most sensitive zones without risk thanks to its protective measures and because it is passive to radiation. The s.QUAD ATEX fulfils the requirements of the chemical and petrochemical industries.

Available as digital POCSAG and analog version.

KEY PERFORMANCE FEATURES

- » Intrinsically safe, ideal choice for alerting in hazardous areas
(Approved according to (Ex) II 2G Ex ib IIC T4)
- » Usable in highly flammable gas-air mixtures
- » Outstanding reception performance with 2.5 $\mu\text{V/m}$ at 1200 Bit/s
- » Programmable receiving frequency within switching bandwidth. Wide PLL up to 10 MHz (VHF), 20 MHz (UHF)
- » 64 select as well as toggle profiles available
- » Alerting volume > 95 dB(A) at 30 cm distance
- » Multi-coloured alarm LED
- » Five-level display of signal strength (RSSI)
- » High-resolution display for over 200 characters per page
- » Extremely robust (2-m drop test), dust- and waterproof
- » Optional: Analog pager, IDEA™ message encryption (128 bit), Multi-channel and scanner
- » Rechargeable (AAA) or alkaline batteries (AA)



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DanimexTM
WHEN YOU NEED TO TALK

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PERFORMANCE FEATURES		TECHNICAL DATA	
STANDARDS, COMPLIANCE, ENVIRONMENTAL CONDITIONS			
Standards	ETSI EN 300 390 EN 60068-2-27 (shock) EN 60068-2-6 (vibration) EN 60068-2-32 (2-m drop test) EN 60529 (IP67)		
Compliance	(Ex) II 2G Ex ib IIC T4		
Temperature range	-20 °C to +55 °C (rechargeable) -20 °C to +50 °C (with alkaline battery)		
MAIN CHARACTERISTICS			
Frequency bands (additional frequencies on request)	VHF 4 m band 84.015-87.255 MHz VHF 2 m band 138-146/146-155/155-164/164-174 MHz UHF 70 cm band 430-450/450-470 MHz		
Frequency processing	PLL, frequency can be adjusted in the entire frequency band with programming software		
Channel spacing	12.5, 20/25 kHz		
Sensitivity* * typical value at 2 m band (best position on «salty man»)	at 512 Bit/s 2.0 µV/m at 1200 Bit/s 2.5 µV/m at 2400 Bit/s 3.0 µV/m		
Addresses	<ul style="list-style-type: none">• 64 primary addresses (RICs) with four sub-addresses each, frame-independent• 64 addresses (ZVEI1, CCIR1 / free)• 256 address names with eight characters		
Alerting	<ul style="list-style-type: none">• Volume > 95 dB(A) at 30 cm distance• Audio alarm tones• Vibration alarm• Multi-coloured Alarm-LED, seven colours can be individually programmed• Up to 64 user profiles or selectable addresses		
Messages	<ul style="list-style-type: none">• Over 100 individual messages with up to 512 characters• 256 fixed texts with 32 storable characters each• Up to two additional messages folders• PIN-secured message storage		
Supported	<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 HOUSING			
Display	<ul style="list-style-type: none">• Greyscale display with high resolution (146 x 128 Pixel, 106 DPI)• White backlight• Displays more than 200 characters per page• Different font sizes with 6, 7 or 8 lines• Vertical and horizontal menu and font guidance (programmable)• Scrollable font		
Dimensions (H x W x D)	81 x 64 x 22 mm		
Weight (including battery)	102 g / 108 g (NiMH battery/dry cell)		
CONNECTION POSSIBILITIES			
Radio	RFID chip (Protocol: EPCglobal Class1 Gen2)		
POWER MANAGEMENT			
Type of battery	iMH plus battery (AAA) or alkaline dry cell (AA)		
Operating times (eco mode)	<ul style="list-style-type: none">• Alkaline dry cell (1.5 V): 2200 h• NiMH plus battery (1.2 V/1000mAh): 1000 h		
ACCESSORIES			
Programming set	Programming cradle with Windows-based programming software		
Chargers	<ul style="list-style-type: none">• Chargers with relay and antenna connector• Multi-charger		
Carrier bags	Clip holster (included), Leather case, Safety chain		