

Swissphone DE920 Ex

Mobile alarming in hazardous areas



The most important performance features:

- > the most suitable receiver to use in explosion-risk environments
- > usage within easily ignitable gas-air mixtures
- > 3-line backlit LC Display with 5mm upper case characters
- > intrinsically safe, even in case of a component failure
- > approved according to (Ex) II 2G Ex Ib IIC T4

))) The DE920 Ex is approved for use in areas with easily ignitable as-air mixtures and is thus tailor-made for the needs of the chemical and oil industries. The robust, high-convenience pager is designed especially for people who work in such dangerous surroundings and need to be on call at all times. Even in the most sensitive zones, the pager can be used without risk thanks to its passive RF reception characteristic and protection devices.



DE920 Ex

Performance features	DE920 Ex
Frequenzy bands	VHF 138 - 174 MHz (2m band) UHF 430 - 470 MHz (70cm band) (other frequencies on request)
Channel spacing	12,5 / 20/25 kHz
Sensitivity: @ baudrate 512 bit/s (best pozision) @ baudrate 1200 bit/s @ baudrate 2400 bit/s	3,0 µV/m 3,5 µV/m 4,0 µV/m
Frequenzy processing	PLL VHF: +/- 0.5 MHz Adjustment range UHF: +/- 1.0 MHz Adjustment range
Compliance	(Ex) II 2G Ex ib IIC T4
Norms	EN 50014, 50020 (Explosion protection), ETSI EN 300 390, IEC 60068-2-27 (shock), IEC 60069-2-6 (vibration), IEC 60068-2-32 (drop test), IEC 60529:1991 + A1:2000 IP52* IP54 ensured with leather carry bag LH900 (see Swissphone accessories)
Addresses	32 RIC (128 subaddresses) frame independent
Display	- 3 lines, 16 characters per line - 5mm upper case characters
Alerting	- acoustic > 85dB(A) @30cm distance - 9 alerts/user profiles + 1 extension - vibrator
Messages	- 15 messages of up to 255 characters stored with time and date - up to 2 message folders and automatic storage tray, altogether 4096 characters storable - 128 pre-programmed messages of up to 32 characters
Power management	- Type AAA battery - accurate accumulator/battery status indication - operating time left (regular mode/ECO mode) - NiMH rechargeable (1,2V/1000mAh) up to 410/500h
Temperature range	-20°C - +55°C
Dimensions	78 x 53 x 24 mm / 3.1 x 2.1 x 0.95 inch
Weight	91g / 3.21oz. (incl. battery)
Miscellaneous	- supports DynGo® Alarmierung (Switzerland) - supports Express-Alarm (Germany) - supports On Air programming - Option IDEATM 128 bit encrypting

Specifications subject to change

Additional information: www.swissphone.com



Explanation of code: II 2 G Ex ib IIC T4

- II Device group All areas except mining (Group I)
- 2 Device category for use in zones 1 and 21
- G Area of application Indicator of atmosphere type (G=gas)
- Ex Europ. Ex-Standard Certified explosion protection in accordance with standard EN 50014, 50020
- ib Type of protection against ignition Limited energy level prevents ignition of the atmosphere
- IIC Explosion group CENELEC reference, highest classification in this explosion group, typical gas: Hydrogen (ignition energy < 60µJ)
- T4 Temperature class Maximum permitted temperature of equipment casing or any component: 135°C



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