



X5 i

The ATEX Rated
Emergency
Services Pager



Eex ib IIC T4

Rugged Sensitive Flexible
Waterproof Intrinsically safe
with bright colour to inform
and alert crucial people at critical times



Designed specifically for use by safety personnel in hazardous environments.

Rugged. Loud. Sensitive. Waterproof. Flexible Durable. Intrinsically safe.

The X5-i is a pager specifically designed for emergency services and safety personnel who must be able to use their pager at all times, even under extreme conditions or in hazardous environments. The pager is rated as intrinsically safe for use in hazardous zones and in the presence of dangerous gases. It is also very tough - it can be dropped, immersed in water, subject to water sprays, immersed in dust. The X5-i has a bright screen that can be seen through smoke and dust, a loud alert that can be heard amidst chaos, and simple pronounced buttons for ease of use, even with gloved hands. The X5-i is an exact solution to the demands of safety personnel for a compact, intrinsically safe, resilient, waterproof and flexible pager that can safely deliver informative, crystal clear information to crucial personnel.

Sensitive

The X5-i is a highly sensitive pager, at all baud rates. It is rated at 3.3 $\mu\text{V}/\text{m}$ at 512 baud and 5 $\mu\text{V}/\text{m}$ at 1200 baud.

Tough

The X5-i is built tough – it is made of almost indestructible Zytel™. It can withstand a drop onto concrete of 2 metres. It has side grips to ensure it doesn't slip out of your hands, even when wearing gloves.

Waterproof

The X5-i is waterproof to IP67 and IP66 on the Ingress scale – this means it can be immersed in water to a depth of 1 metre and it can be subjected to jets and sprays of water. At last emergency services personnel can literally use their pager anywhere.

Capcodes

The X5-i provides unrivalled flexibility by delivering 128 capcodes in POCSAG or 32 in FLEX, and enabling these to be programmed over-the-air.

Colour

The X5-i has a large, very bright high resolution screen that can display over 300 characters, coloured icons and alerts, images and maps. Providing the capacity to accurately inform and alert users

Rechargeable

The X5-i comes with an inductive rechargeable battery just pop the unit on the charger receptacle and it

recharges or tops up the charge. Environmentally sound by eliminating batteries in land fill, and provides up to ten days use on a single charge.

Over the Air Programming

The X5-i can be programmed over the air, configuring profiles, capcodes and many other features.

Encryption

The X5-i comes with an option for securing your network messages with industry standard encryption and key exchange – protecting private messages from prying eyes.

Flexible

The X5-i supports frequency and baud rate switching, and can be switched between alternative industry standard protocols of POCSAG and FLEX.

Reliable

The X5-i is rigorously tested, and is made of the highest quality componentry. It is backed by a 2 year warranty, that can be extended indefinitely through undertaking two yearly service & seal checks at a certified Infostream repair facility.

Intrinsically safe.

The pager is rated Eex ib IIC T4, and can be used in hazardous zones 1 and 2, and in the presence of Class IIC gases.

Technical Specifications X5-i



Description	Value
Frequencies	Any specified frequency in the UHF and VHF bands
Channel spacing	10 / 20 / 25 kHz
Receiver	Crystal Receiver
Sensitivity POCSAG Alphanumeric *	
512 baud	<3.35 μ V/m
1200 baud	<5 μ V/m
2400 baud	<7 μ V/m
Co-channel rejection EN 300 390 (9.3-9.7)	- 8 dB
Adjacent channel selectivity	>60 dB
Spurious response immunity	>95.5 dB μ V/m (80 dB)
Intermodulation immunity	>65.5 dB μ V/m (50 dB)
Blocking immunity or desensitization	>80 dBuV/m
Signal format	POCSAG CCIR RPC No1, Flex G1.9b
Ingress Protection	IP67, IP66
Safety Compliance	Eex ib IIC T4 (IEC 60079)
Climatic conditions	ETS 300 019-1-7 class 7.3 (-10° C to +60° C)
Mechanical Conditions	ETS 300 019-1-7 class 7.3, 7M3 Vibration: MIL-STD-810F, Method 514.5, Procedure I Shock: MIL-STD-810F, Method 516.5, Procedure I and IV Rain: MIL-STD-810F, Method 506.4, Procedure I Dust: MIL-STD-810F, Method 510.4, Procedure Drop Test - IEC 60068-2-32 (> 2.0 m height on concrete surface) any orientation
Battery	Inductive rechargeable Li-ion Polymer Lasts 10 days (typical), charged within 3.5 hours Slow charge from the USB port available Accurate battery fuel gauge Battery low indication and alert
Alert	Loudness 85 dB(A) at 50 cm (typical) 16 Alert tones Strong Vibrator Red LED (array of 3 LEDs) Out of range alarm Unread message reminder alert
Capcodes (RICs)	128 POCSAG - 32 FLEX
Display	Scratch resistant lens. Colour (TFT active matrix) 220x176 pixels 65,536 colours Variable font size 12 lines of 26 characters (312) at 12 point
Message Memory	128 of 512 character messages
Additional features	Folders – 2 default (Inbox and Trash) up to additional 32 folders Configurable Capcodes and Alert Tone Clock, date and alarm function One handed operation Holster detection Lockable messages 2500 hours RAM message backup Advanced repeat message management Customizable menu and tones
Operating Temperature	-10° C to +60° C
Charging Temperature	0° C to +40° C
Dimensions	91 x 51 x 20 mm
Weight	<100g
Languages	German, Swedish, Italian, French, English, Dutch
Notes	All parameters are specified under normal conditions: +20°C, 50% relative humidity, non-condensing. EN 300 390 means ETSI EN 300 390-1 v1.2.1 (200009) Specifications are subject to change

* ETSI EN300 390-1 V1.2.1 (2000-09), 9.1 best position on salty man

