Ex-Handy 08

CERTIFICATION

ATEX Ⓔⓧ	Ⓔⓧ II 2G Ex ib IIC T4 Gb IP64 Ⓔⓧ II 2D Ex ib IIIC T130°C Db IP6X
IECEx	North America (USA / Canada) Ex ib IIC T4 Gb IP64 Ex ib IIIC T130°C Db IP6X
NEC	North America (USA / Canada) Class I, Division 1, Groups A, B, C, D T4 Class II, Division 1, Groups E, F, G T4 Class III, Division 1

SCOPE OF DELIVERY

- Ex-Handy 08
- Rechargeable battery
- Battery charger TCH 07
- Safety box
- Belt clip
- Screwdriver
- Instruction manual
- Documentation

ZONE 1 / 21. DIV. 1

Intrinsically Safe mobile phone **Ex-Handy 08**
FOR ZONE 1 / 21, DIVISION 1

RANGE OF FUNCTIONS

- Bluetooth® 3.0 (DUN, OPP, SAP, HSP, HFP, FTP, A2DP, AVRCP, PBAP)
- 3G HSPA/GSM/GPRS/EDGE
- PUSH-TO-TALK (server-dependent)
- MMS
- Native e-Mail-client (POP3/SMTP, IMAP4)
- WAP 2.0 (XHTML) browser
- Java™ 2.0 ME (CLDC 1.1)
- Integrated Office functionality
- Contact, calendar and message synchronisation with MS® Outlook®
- Free software for data transfer and synchronisation

- A-GPS
- Lone Worker Protection (see page 8)
- Bright LED torch
- Rugged 2 megapixel camera with LED flash and video function (optional)
- Slot for microSD cards up to 16 GB
- Scratch and impact-resistant Gorilla-Glass™ display
- Vibration alert

3 YEARS WARRANTY | NO COSTS | NO QUEST ASK

ZONE 1 / 21
DIVISION 1

LOYAL AND FAITHFUL

The accessories catalogue as well as ecom's professional support will be available for succeeding product models, including spare parts, within three years from discontinuation of the product family.

TECHNICAL DATA	
Networks	Quad band GSM 850 / 900 / 1800 / 1900 MHz Triband UMTS/WCDMA band 1, band 4, band 8 (EU) or band 1, band 2, band 5 (US)
Data transfer	GPRS & EDGE class 12 HSDPA category 7/8 (7,2 mbits/s) HSUPA category 6 (5,6 mbits/s)
Display	5 cm (2 inch) LCD (240 x 320 pixels)
Power supply	1,280 mAh Li-Ion (SC battery) or 1,960 mAh Li-Ion (HC battery)
Talk /standby time	approx. 4,5 hrs / max. 250 hrs (with SC battery) approx. 7 hrs / max. 400 hrs (with HC battery)
Charging time	approx. 3 hrs / 4 hrs (SC / HC battery)
Dimensions	126 x 60 x 25 mm (5" x 2.4" x 1") without battery
Weight (including SC / HC battery)	approx. 200 g (7.1 oz) / 220 g (7.8 oz)
Ambient temperature Ta	-20 °C ... +55 °C (-4°F ... +131°F)
IP protection class	IP68 (30 minutes, 2 metres under water)

To help find your ideal mobile phone solution, head to **www.intrinsically-safe-mobile.com** and use our tailored product finder.

LWP

PERMANENT PROTECTION
- WHEREVER YOU ARE

ZONE 1 / 21. DIV. 1

ZONE 2 / 22. DIV.2

NO COSTS | 3 YEARS WARRANTY | NO COSTS | 3 YEARS WARRANTY |

NO QUESTIONS ASKED

WE'VE GOT IT – THE SOLUTION FOR YOU!

By opting for the Ex-Handy 08 LWP or the Ex-HSPA LWP (Lone Worker Protection) you are acquiring a reliable and rugged mobile device that ensures the safety of your workers around the world.

Many tasks are now being carried out by just one person to save costs (e.g. patrolling extensive works premises). At the same time, however, employers also need to ensure the safety of their employees when they are out on their own.

INTRINSICALLY SAFE MOBILE PHONE (LONE WORKER PROTECTION)

Our intrinsically safe mobile phones with LWP functionality have been specifically designed for the safety of people working alone. The focus of our development centred around fusing modern technology and personal emergency response devices to create a device that provides the upmost levels of safety. This phone is able to help locate anyone who has suffered an accident and immediately initiate the necessary measures.

This modern mobile phone is equipped with a separate alarm switch that allows help to be called in the event of danger. This lone worker phone is able to be programmed using the integrated 3D motion sensors which trigger for help when a worker is injured or in danger. A pre-alarm function allows employees to deactivate the alert to prevent false alarms.
Alternatively, the phone can also be connected to popular security centres such as Bosch and Securitas, therefore ensuring safety at all times.

An alarm SMS can also be used to inform individuals or entire groups of employees quickly and effectively of any existing hazards and incidents. Continuous attention is drawn to this message via an audible alarm so that employees are made aware of its presence; they are then able to send the required acknowledgment of its receipt.

SAFELY SAVING COSTS

The personal emergency response device comes with all of the necessary alarms and locating functions, thereby helping you to protect your employees. At the same time it also satisfies commercial demands: the device will allow numerous tasks to be carried out by individual workers in the future, as the assistants previously required to help ensure safety are no longer required.
This means that the deployment of a personal emergency response system will help users realise considerable cost savings and enable them to recoup their investment within just a few months.
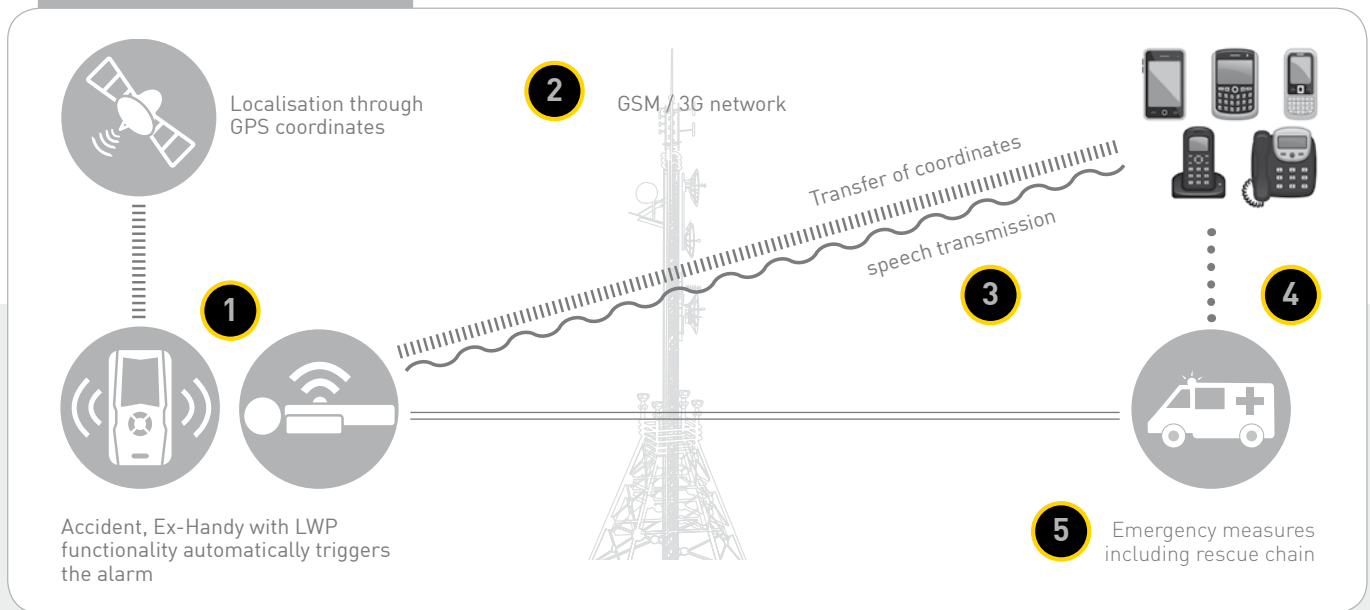
RANGE OF FUNCTIONS

- Lone worker protection and mobile phone in one
- Programmable 3D motion sensor for: Inclination alarm, impact alarm, escape alarm, man down alarm
- Programmable dead man's switch
- Alarm button to deliberately trigger alarms
- Technical alarms: E2E check, battery status, connection to GSM or 3G network
- Connection to renowned security centres also possible
- Alert for incoming messages with subsequent read receipt sent to the alarm control unit

- Visualisation of the alarm modes in the display
- Loud audible alarm
- Programmable geo zones
- Communication via SMS and GPRS
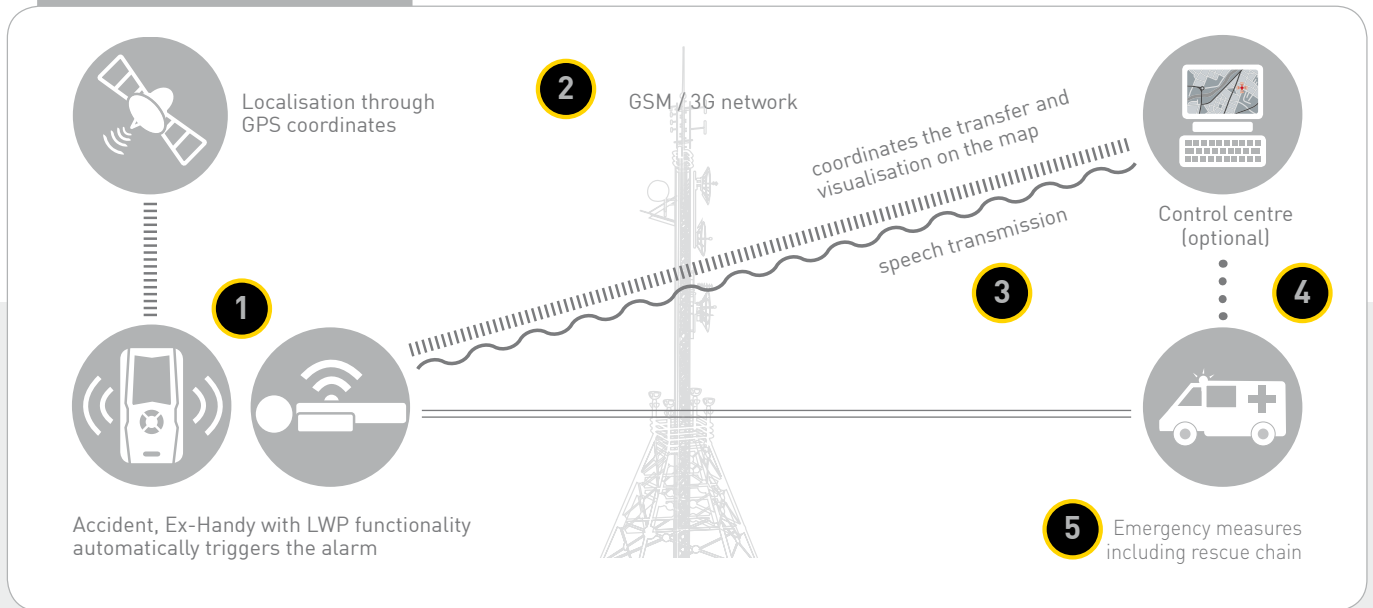
LWP

MAKE YOUR CHOICE - BASIC OR SYSTEM MODE

2 GSM / 3G network

Localisation through GPS coordinates

Transfer of coordinates

speech transmission

1

3

4

Accident, Ex-Handy with LWP functionality automatically triggers the alarm

5 Emergency measures including rescue chain

BASIC MODE

1 The lone worker suffers an accident or gets into a dangerous situation. The sensors in ecom's Ex-Handy with LWP functionality register this in accordance with the selected alarm modes.

2 The Ex-Handy with LWP functionality automatically triggers an emergency call. The emergency call can consist of a phone call and / or SMS and it can be sent to up to five different recipients and any type of phone. The SMS contains the GPS coordinates.

3 The Ex-Handy with LWP functionality simultaneously establishes vocal communication with the recipient of the emergency call. This enables the recipient to determine whether the injured employee is still responsive and / or what injuries he/she has suffered.

4 The recipient of the emergency call organises and/or coordinates additional measures and sets the chain of rescue in motion.

5 Rescue of the employee.

Basic Mode

![ecom MOBILE SAFETY]

System Mode

Localisation through GPS coordinates

2 GSM / 3G network

coordinates the transfer and visualisation on the map

speech transmission

Control centre (optional)

1

3

4

Accident, Ex-Handy with LWP functionality automatically triggers the alarm

5 Emergency measures including rescue chain

CUSTOMER-SPECIFIC SYSTEM MODE

1 The lone worker suffers an accident or gets into a dangerous situation. The sensors in ecom's Ex-Handy with LWP functionality register this in accordance with the selected alarm modes.

2 The Ex-Handy with LWP functionality then automatically sends an alarm to an internal control centre or an external service provider. In addition to transferring the coordinates, the site of the accident is also visualised on a separate map. This makes it immediately apparent where the employee is located.

3 The Ex-Handy with LWP functionality simultaneously establishes vocal communication with the recipient of the emergency call. This enables the recipient to determine whether the injured employee is still responsive and what has happened.

4 The processing (organisation and coordination) of the emergency call is safeguarded and documented in the System Mode. The rescue of the employee is thereby also guaranteed.

5 Rescue of the employee.

System Mode

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Assesories DCH

DESKTOP CHARGER DCH

Charging cradle with DC-input for charging your intrinsically safe mobile phone and spare battery at the same time.

TECHNICAL DATA	
Dimensions	116 x 84 x 58 mm (4.6" x 3.3" x 2.3")
Weight	approx. 132 g (4.66 oz)
Input voltage	100V - 240V / 50-60 Hz / max. 200 mA
Output voltage	5V / max. 3100 mA
Charging time	max. 4h (depending on battery type and charging status)
Operating temperature	0 °C - +40 °C (+32 °F - +104 °F)
Storage temperature	-20 °C - +55 °C (-4 °F - +131 °F)

RANGE OF FUNCTIONS

- Powerful enough to maintain a short charge time when both the phone and spare battery are simultaneously charging. External wall plug transformer with exchangeable plugs.

- Ready-to-use. No additional Safety box needed.

- Cradle housing with rubber feet plus the possibility to screw it down.

- Spare battery lock mechanism meaning no need to fasten screws while charging.

- Notch for Torx T8 (Zone 1/Division 1 batteries) and slotted screwdriver (Zone 2/Division 2 & Generic (battery covers).

- Spare battery charge indicator via Dual color LED.

- Charging status of the mobile phone indicated on the phone's display incl. Auto LCD-off for energy saving.

- Function keys of the mobile phone accessible while cradle.

- Phone stays upright in the cradle for increased user comfort with LWP enabled devices.

- It makes 24/7 usage of your LWP device possible.

DCH

ALWAYS
READY TO USE

DESIGNED FOR USE WITH

- Ex-Handy 08
- Ex-Handy 08 LWP
- Ex-Handy 07
- Ex-Handy 07 LWP
- Ex-HSPA 08
- Ex-HSPA 08 LWP
- Ex-GSM 07
- All complementary Generic devices

- Ex-BPH 08 SC / HC
- Ex-BPH 07 SC / HC
- Ex-BPH 28
- Ex-BPG 07
- All complementary Generic batteries

BATTERIES EX-HANDY 08

Ex-BPH 08 SC (ATEX / IECEx / NEC)	Ex-BPH 08 HC (ATEX / IECEx / NEC)
A0000501	A0000502

BATTERIES EX-HSPA 08

Ex-BPH 28 (ATEX / IECEx / NEC)	NFC- Battery cover (ATEX/IECEx)
A0050200	A0050220

CHARGER EX-HANDY 08 / EX-HSPA 08

TCH 07 EU Charger	TCH 07 UK Charger	TCH 07 US Charger	TCH 07 AU Charger	TCH 07 CN Charger
A0002236	A0002237	A0002238	A0002239	A0002255

GENERAL ACCESSORIES ZONE 1 / DIV. I — GENERAL ACCESSORIES ZONE 2 / DIV. II — ZONE 1 & 2

SBH 07 Safety box	Screwdriver Torx 08	USB Data cable	Screwdriver	CCH 07 Car charger
A0002235	A0002226	A0000638	A0000639	A0002242

HEADSETS / SPEAKER

ComCom Ex	Serenity SPC Ex	Stereo-Headset (non-Ex)	Ex-RSM Aurelis BT
A0000960	AS000960	A0002241	A0002241

⬡ Applicable in the hazardous area

VEHICLE MOUNTS

Phone holder	„Gooseneck" vehicle mount, screw installation	„360° gooseneck suction mount"	Adapter plate for suction mount, 70 mm, self-adhesive	Adapter plate for suction mount, 70 mm, screwable
A0000193	A0000191	A0000188	A0000189	A0000190
Air vent mount				
A0000192				

LEATHER CASES | | ## BELT LOOPS | | |

LCH 07 leather case with belt clip	LHH 07 leather holster	Belt loop for belts up to 45 mm wide	Belt loop with metal bracket incl. 12mm metal holder Stock	Belt loop for belts up to 65 mm wide
A0002225	A0002247	A0000128	A0000129	A0000132

BELT CLIPS

Belt clip with fixed spring	Belt clip incl. 12mm holder	12 mm plastic holder for clips and belt loops	12 mm metal holder for clips and belt loops	BCH 07 Belt clip
A0000131	A0000127	A0000130	A0000133	A0002240

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