

# GSM S EX PLUS

Maximum lone working protection in areas with explosive substances



II 2 G D  
Ex ib IIC T4 Gb



Position alarm



No movement alarm



Time alarm



Manual alarm

# GSM S EX PLUS

Personal-emergency signal device for areas with explosive substances



Professional protection



Seamless interior locator



Easy to use



Can be adjusted individually to your work situation



Maximum mobility on GSM basis



according to DGUV Standard 112-139 (formerly BGR 139)



## Characteristics



Emergency call with red button



Data text message to headquarters & text message to work colleagues



2G GSM-network connection



Efficient hardware



Can be operated with glove



110 dBA strong alarm in emergency



Indoor and outdoor locator using Beacon



Solid housing



26 hours with indoor locator



II 2 G D  
Ex ib IIC T4 Gb Ex ib IIC T100°C

# Alarm types



## Position alarm

Triggered if in horizontal position for a defined, configurable time. The angle can also be configured.

Many tasks are carried out while standing. If the lone worker is lying down, however, he probably requires assistance.



## No movement alarm

Triggered if no movement for a defined, configurable time.

The lone worker moves for most tasks, however, not when he faints.



## Time alarm

Triggered if a button is not pressed within a specified, adjustable time period.

Many monitoring tasks are carried out while sitting down. The lone worker has to periodically press a button to confirm that he is present and awake.



## *Pressing the red emergency call button*

Face masks and gloves are the typical work clothing in hazardous environments; these must not be an obstruction when triggering an alarm.

The red button can be found “blind” and be triggered unmistakably even in extreme emergency situations. Works even when the device is switched off!

## Application areas

The Felsenmeer personal-emergency signal plant is flexible and allows you to cover even complex safety requirements for lone working. The mobile PNG for explosive areas GSM S EX PLUS supports you in various application areas.

- ☒ General industry
- ☒ Chemical industry
- ☒ Petrochemistry
- ☒ Energy supplier
- ☒ Seaports & airports
- ☒ Guard and security services
- ☒ Small businesses
- ☒ Agriculture
- ☒ Forestry
- ☒ Mobile emergency home service

## Technical data

Call duration	Up to 4 hours	
Usage period	24 h with localising	
Protection class	IP65 (dust proof and water-resistant)	
Mobile communication standards	2G GSM	
Acoustic elements	Loudspeaker:	Handset mode and hands-free mode
	Microphone:	omnidirectional
	Signal transmitter:	110 dBA
Operating elements	Large buttons:	Alarm and voice activation control
	Small buttons:	On/off button
Display elements	LED top:	● GSM-Status
	LED middle:	● Alarm status
	LED bottom:	●● Battery and charging status
Size	115 mm x 44 mm x 25 mm	
Weight	115 g	
Temperature range	-10 °C to +40 °C	

## Delivery scope

- ☒ GSM S EX PLUS personal-emergency signal device with integrated rechargeable battery
- ☒ Loading station with EU mains plug
- ☒ Belt clip
- ☒ Operating instructions in German  
as download: Operating instructions in English

## Optional accessories

Car dock



Device bag



## GSM S EX PLUS in practical applications

Explosion hazards can occur in all companies, where flammable and explosive substances are stored or worked with. If lone worker run into danger or have an accident, then the response has to be fast. GSM S EX PLUS supports this process by recognizing dangerous situations for lone workers and reports accident cause and accident location to the rescue workers. The small, solid and easy to operate GSM S EX PLUS



detects three potential hazardous situations automatically. Furthermore, the lone worker can request help deliberately with the “blind” operable alarm button.

If a dangerous situation is detected, an acoustic pre-alarm is triggered. The lone worker can stop the alarm if he does not require help.

If the lone worker does not stop the pre-alarm or he has deliberately requested help, then the GSM S EX PLUS reports the accident cause

(location, rest, time) and the accident location it detects within buildings and outside on the site using the locator beacons. GSM S EX PLUS uses the established GSM network for the transmission.

Furthermore, the GSM S EX PLUS can automatically establish an audio connection or wait for callback and accept it automatically. In this way, the crisis response can find out which help is required without the lone worker having to operate the device manually.

Once arrived at the place of the accident, the rescue workers have to quickly find the lone worker. The “acoustic vicinity locating” feature provides assistance for this. GSM S EX PLUS creates an acoustic signal with the integrated powerful loudspeaker. This enables rescue workers to find the lone worker even in unwieldy areas, when he is unable to call for help.

The device is also easy to use in stressful situations which makes it an effective personal-emergency signal device (PNG). The large buttons can also be operated “blind”. Persons, who rarely work alone, are able to use the device even after a short instruction period.

GSM S EX PLUS can easily be integrated into existing installations with other Felsenmeer devices.



# you'll never work alone

## Felsenmeer Personal-emergency signal plant

SHALOSH ECO



BEACON ECO /  
CIPOLLINO BEACON



FELSENMEER ALARM CENTRE



GSM S EX PLUS



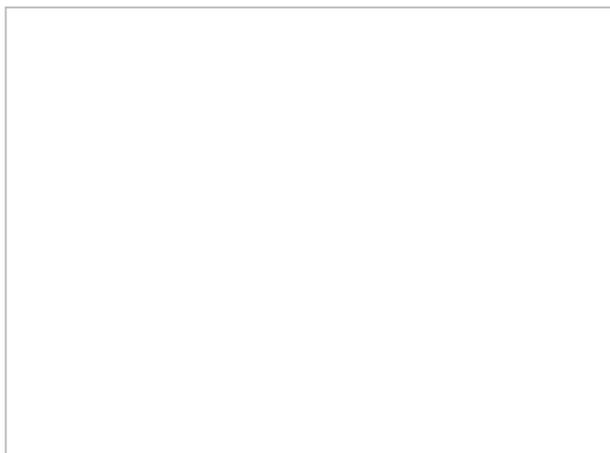
BEACON EX



FELSENMEER ALARM SERVER



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