

- ▶ **Robust explosion-proof, weatherproof telephone set, IP66**
- ▶ **Display**
- ▶ **Handset and handsfree operation**
- ▶ **ATEX certified**

AREAS OF USE

Communication devices for use in hazardous areas in the industry have to be especially well adapted to the extreme operating conditions they will be exposed to.

Our new Ex-telephone has been developed for operation in the petrochemical industry, on off-shore plants, in mills and harbours, which means it is resistant to large temperature differences, air humidity, sea water, dust and strong mechanical wear and tear.

It is certified for use in hazardous dust and gas atmospheres.

The **TAS22AD** is completely programmable, and has been equipped with a 21-piece stainless (V4A) steel keypad designed for use with gloves. Letters and figures are presented clearly on the alphanumeric display. The **TAS22AD** also boasts all the convenient features that have become standard in the field of office communication.

A string of optional extras and components – especially certified for hazardous areas – makes our telephone even more functional.

Our **TAS22AD** is the correct decision for a safe connection – convenient and reliable in hazardous areas.



TAS22AD

ATEX analog explosion-proof telephone set



Display

The two uppermost lines display the number or the menu settings. The lower line displays pictograms that correspond to the functions.

Function keys

Using these keys you may alter settings directly or make permanent changes to settings in the menu.

Loudspeaker button

This button switches the loudspeaker or the handsfree operation feature on/off.

Disconnect key

Disconnect a call using this key.

Last number redial

Use this key to redial any one of the last dialed numbers.

Inquiry key

With this key the functions of the PABX will be activated (flash).

Handsfree operation

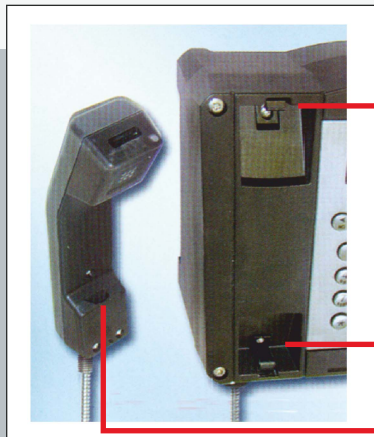


Number key

Use these keys to enter telephone numbers or texts.

MAIN PERFORMANCE DATA

- IP66 protection
- Impact protection IK 09
- Operations temperature -25°C to +60°C
- Stainless steel (V4A) keypad
- Steel armoured handset cord with snap-protection
- Sound pressure level approx. 90 dB(A)
- Receiver volume can be boosted in 7 steps from 0 to 12 dB(A)
- Integrated adjustable stabilizer bracket
- Handsfree operation
- Telephone directory


Stablizer bracket

integrated
and adjustable

Noise suppression

integrated mouth-
piece horn mouth


**TCS22AD
CB Version without keypad**

Emergency telephone - connects
directly to the main PABX.


SECONDARY SOUNDER

- ◆ Explosion-proof optical and acoustic telephone secondary sounder for loud work environments
- ◆ ATEX-certified


SECONDARY SOUNDER

- ◆ High power explosion-proof secondary sounder for indoors and outdoors
- ◆ No additional power supply
- ◆ ATEX-certified


HEADSET

- ◆ For TAS22AD
- ◆ Designed for use in noisy work environments
- ◆ Extensive freedom of movement
- ◆ You may work with both hands


ADDITIONAL EARPIECE

- ◆ For TAS22AD
- ◆ Designed for use in noisy work environments
- ◆ A second person may listen in
- ◆ Protect both your ears against work noise


PROTECTION HOOD

- ◆ Acoustic hood for very loud work environments
- ◆ Galvanised iron sheet, painted in orange colour (RAL2000)

Technical Data

Types of protection	Ex II 2 G Ex eb mb [ib] IIC T5 Gb II 2 D Ex tb [ib] IIIC T100°C Db -25°C ≤ Ta ≤ +60°C
	Ex II 2 G Ex eb mb [ib] IIC T6 Gb II 2 D Ex tb [ib] IIIC T80°C Db -25°C ≤ Ta ≤ +40°C
Approval	BVS 03 ATEX E 421 CE 0158
Line voltage	24VDC to 66VDC
Line current.....	15mADC to 100mADC
Ringing alternating current	24VAC to 90VAC (at 21...54Hz ringing frequency)
	30VAC to 90VAC (at 16,6...54Hz ringing frequency)
Ringing impedance.....	Greater than 6,0 K at 25Hz and 24...90VAC Greater than 4,0 K at 50Hz and 24...90VAC
Inquiry key	Flash function adjustable from 40ms to 399ms
Dialling procedure.....	PD-DTMF operation to be set in the menu DTMF operation according to the CCITT recommendation Q.23 PD operation where the pulse/pause ratio can be set to 1.5:1 or 2:1 in the menu

Connections

Screw terminals.....	Up to 4 mm ² rigid cable. Up to 2.5 mm ² flexible cable
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Housing

Material.....	Glass-fibre-reinforced polyester
Height x Width x Depth.....	Approx. 266mm x 227mm x 135mm
Weight	Approx. 5.5kg
Display.....	2-line alphanumerical display with pictograms Visible area approx. 78mm x 26mm
Keypad	Metal keypad with ice protection. 21 keys with ABC lettering for name entries

Receiver

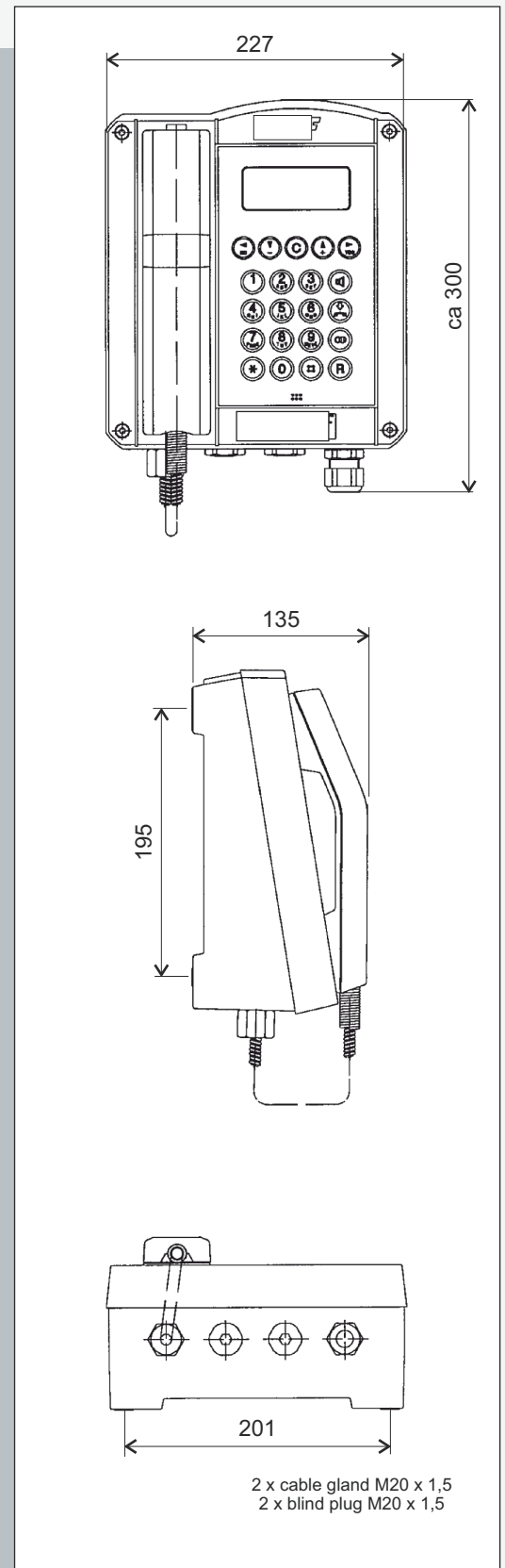
Stabilizer bracket.....	Integrated, adjustable stabilizer bracket
Handset cord	Stainless steel (V4A) armoured handset cord
Receiver inset.....	Dynamic receiver inset with leakage field spool for inductive coupling of hearing aids
Mouthpiece	Electret-foil microphone
Noise suppression	Greater than 3dB due to integrated mouthpiece horn mouth

Environmental conditions

Degree of protection	IP 66 according to EN60529
Impact protection.....	IK 09 according to EN50102
Operation temperature	-25°C to +60°C for temperature class T5 -25°C to +40°C for temperature class T6
Storage temperature.....	-25°C to +70°C

Further characteristics

Optical call signalling	Display shows ((()))
Ringing sound pressure level	Approx. 90dB(A) at 1m distance
Ringing melodies	10 melodies selectable
Listening by loudspeaker.....	Maximum sound pressure level approx. 68dB (A) at 1m distance
Handsfree operation	Maximum sound pressure level approx. 68dB (A) at 1m distance
Amplified listening in receiver....	Receiver volume can be boosted in 7 steps from 0 to 12dB(A)
Menus.....	Italian, English, German, French and Spanish
Telephone directory	Max. 50 entries (names and numbers)
MTBF	8,6 years



Model list	Type	code
ACB Explosion-proof telephone	TAS22AD	7138150
CB Explosion-proof telephone	TCS22AD	7138170