

HMT-1Z1 Head Mounted Tablet Set Art. No. 307086



- Ideal for Mobile Worker applications
- intuitive voice control for hands-free working
- digital microphones with active noise suppression for noisy work environments
- clear, well-arranged operation with high-resolution micro-display
- PPE (Personal Protective Equipment) compatible

MY R. STAHL MPERIPHER-ALSA



The world's first voice-operated, head-mounted tablet for hands-free working in hazardous areas Zone 1/21 or CSA Class I, II, III Division 1. It is Android-based and has a high-resolution micro-display. Thanks to its intuitive voice control and digital microphones with active noise suppression, the innovative mobile device is particularly suitable for highly complex remote support applications in noisy industrial environments.

Technical Data

Explosion Protection

Application range (Zones)	1 2 21 22
Application range (firedamp protection)	M1 M2
Application range (divisions)	Class I, Division 1 Class II, Division 1 Class III
Application range	Zone 1, Zone 21 Zone 2, Zone 22
Scope	EU (CE / ATEX) Global (IECEX) USA (NEC) Canada (CEC) China (PCEC) Brazil (INMETRO) Korea (KCS) Japan (JNIOOSH) South Africa (SANS), South Africa (SANS) Mining
IECEX certification	EPS 17.0004X
ATEX certification	EPS 17 ATEX 1 014 X
NEC certification	70170800
CEC certification	70170800
INMETRO certification	BRA 22.GE0003X
KCS certification	19-KA4BO-0118X 19-KA4BO-0125X
PCEC certification	CE18.2158X
JNIOOSH certification	CML 18JPN2258X

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Explosion Protection

SANS certification	MTEEx-S/18.0365 X MTEEx-M/18.0261 X
IECEEx gas explosion protection	Ex ib IIC T4 Gb
IECEEx dust explosion protection	Ex ib IIIC T135°C Db IP6X
ATEX gas explosion protection	⊕ II 2G Ex ib IIC T4 Gb
ATEX dust explosion protection	⊕ II 2D Ex ib IIIC T135°C Db IP6X
NEC gas explosion protection	Class I, Div 1, Groups A, B, C, D, T4
NEC dust explosion protection	Ex ib IIIC T135°C Db IP6X
CEC gas explosion protection	Class I, Div 1, Groups A, B, C, D, T4
CEC dust explosion protection	Class II, Div 1, Groups E, F, G Class III, Div 1
INMETRO gas explosion protection	Ex ib IIC T4 Gb
INMETRO dust explosion protection	Ex ib IIIC T135°C Db IP6X
KCS explosion protection	Ex ib IIC T4 Ex ib IIIC T135°C
PCEC gas explosion protection	Ex ib IIC T4 Gb
PCEC dust explosion protection	Ex ibD 21 T135°C
JNIOOSH gas explosion protection	Ex ib IIC T4 Gb
JNIOOSH dust explosion protection	Ex ib IIIC T135°C Db IP6X
SANS gas explosion protection	Ex ib IIC T4 Gb
SANS dust explosion protection	Ex ib IIIC T135°C Db IP6X
SANS Firedamp protection	Ex ia I Ma IP65

Electrical Data

Processor type	Qualcomm Snapdragon 625
Main memory	2 GB
Data memory	16 GB int. + SD up to 64GB
Operating system	Android 10 + WearHF interface
Interface medium	WiFi 802.11 a/b/g/n/ac/e/k/r/h
Optional interface 1	Bluetooth 4.1 LE
Optional interface 2	16MP PDAF camera, LED flash

Display

Display size in inches	0.33
Display size in cm	0.84
Display resolution	854 x 480 pixels

Ambient Conditions

Ambient temperature	-20 – 60
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Mechanical Data

Degree of protection (IP)	IP68
MIL-standard	810G (h/l temp., shock, vibr.)
Weight	425 g
Weight	0.94 lb

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