

IS-SW1.1 Smartwatch Set NA Art. No. 319867



- World's first explosion-proof industrial smartwatch for North America (Class I, Div 1)
- Powerful communication, monitoring vital functions, GPS location finder, etc.
- Smartphone add-on modules with thermal imaging camera, RFID and barcode scanner

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One of the highlights of our peripheral devices is the world's first explosion-protected industrial smartwatch. Certified for North America (Class I, Div 1), the watch displays all key messages, alerts and data. In addition, it monitors the worker's vital function, issues SOS calls with GPS location, and can be used for comfortable access control via RFID smartcard.

Another innovation is the world's first voice-operated, head-mounted tablet for hands-free working in hazardous areas. It is Android-based and has a high-resolution micro-display. Smartphone pluggable modules with thermal imaging cameras for process control, and barcode scanners for material logging are also part of the mobile peripherals portfolio.

Technical Data

General

Technology	Wearable Smartwatch
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Explosion Protection

Application range (divisions)	Class I, Division 1 Class II, Division 1 Class III
Application range	Zone 1, Zone 21 Zone 2, Zone 22
Scope	USA (NEC®) Canada (CE Code)
NEC certification	LR3081-1
CE-Code certification	LR3081-1
NEC gas explosion protection	Class I, Div 1, Groups A, B, C, D, T4
NEC dust explosion protection	Class II, Div 1, Groups E, F, G, T4 Class III, Div 1, T4
CE-Code gas explosion protection	Class I, Div 1, Groups A, B, C, D, T4
CE-Code dust explosion protection	Class II, Div 1, Groups E, F, G, T4 Class III, Div 1, T4

Electrical Data

Main memory	1 GB
Data memory	8 GB
Optional interface 1	Bluetooth 5.1
Addition 3/Option box	BT5.1, NFC, WiFi 2.4 GHz

Display

Display size in inches	1.60
Display size in cm	4.06

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Display

Display resolution	320x360 pixels
Touch screen	Capacitive

Ambient Conditions

Ambient temperature	-20 – 55
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Mechanical Data

Degree of protection (IP)	IP68
MIL-standard	810H
Width	45 mm
Height	54 mm
Depth	17.6 mm
Weight	0.15 lb

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