

IS-VS1A.1 Valve Sense Inspection Bundle Art. No. 329523



- User-friendly application without expert knowledge
- Leakage detection through algorithms and artificial intelligence
- Software-guided inspection process, automated data transfer in cloud-based back office
- Cost savings through predictive maintenance
- Avoidance of unplanned production downtimes

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The Valve Sense mobile inspection system for leak detection in valves combines high-quality acoustic emission sensors with the 5G smartphone IS540.1 and the Senseven software. Intuitive operation, automatic leak detection, structured data management and a high-quality processor for fast data processing make it a unique maintenance tool in demanding industrial environments.

Technical Data

General	
Technology	Inspection system for leakage detection
Explosion Protection	
Application range (zones)	1, 2, 21, 22
Application range	Zone 1, Zone 21 Zone 2, Zone 22
Scope	EU (CE / ATEX) Global (IECEX) USA (NEC®) Canada (CE Code) Korea (KCS)
IECEX certification	EPS 23.0039X
ATEX certification	EPS 23 ATEX 1 161 X
NEC certification	LR3081
CE-Code certification	LR3081
KCS certification	24-KA4BO-0218X 24-KA4BO-0219X
IECEX gas explosion protection	Ex ib IIC T4 Gb
IECEX dust explosion protection	Ex ib IIIC T135°C Db
ATEX gas explosion protection	Ex II 2G Ex ib IIC T4 Gb
ATEX dust explosion protection	Ex II 2D Ex ib IIIC T135°C Db
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 T135°C Class III
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 T135°C Class III
KCS gas explosion protection	Ex ib IIC T4 Gb
KCS dust explosion protection	Ex ib IIIC T135°C Db

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Electrical Data

Processor type	Qualcomm QCM6490
Main memory	8 GB
Data memory	128 GB int. + SD up to 128 GB
Operating system	Android 12
Mobile standard	2G, 3G, 4G, 5G
Interface medium	802.11 a/b/g/n/ac/ax/e/k/r/v
Optional interface 1	Bluetooth 5.2
Optional interface 2	40 MP camera (reverse side)
Addition 3/Option box	5 MP front camera
SD card type/size	MicroSD/up to 128 GB
SIM card number	Double SIM
SIM card size	Micro

Display

Display size in inches	6.00
Display size in cm	15.24
Display resolution	FHD 1080x2160 pixels
Touch screen	Capacitive
Touchscreen material	Gorilla glass corning 3rd gen.
Backlight	LED technology

Ambient Conditions

Ambient temperature	-20 – 60
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Mechanical Data

Degree of protection (IP)	IP68
MIL-standard	810H
Width	85 mm
Height	180 mm
Depth	21 mm
Weight	2.98 kg
Weight	6.57 lb

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.