

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 | 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 | Ⓜ II 2G Ex ib IIC T4 Gb |
| ATEX dust explosion protection | Ⓜ 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 (rear) |
| 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

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|---------------------|----------|
| Ambient temperature | -20 – 60 |
|---------------------|----------|

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.