VIBRATION TYPE LEVEL SWITCH Model KVX/XV2



Reliably detect any materials whose dielectric constant or electrical properties may vary.

Bacause the sensitivity is at the tip of the sensing plate, it may not be affected by adhesion or build-up at the plate-root. With the development of new machanism and new circuitry, sensitivity and reliability has significantly upgraded.



Applicable to powder whose detection is difficult due to the low specific gravity, and yet it is user-friendly.



- Well suited to detection of low density powder that other instruments can not measure.
- Applicable to an object whose conductivity or specific gravity varies.
- Simple operation without complex sensitivity adjustment.
- Easy maintenance with few driving parts.
- Pressure resistant with no sealing part.
- Highly sensitive to detect fine and light powders. (Specific gravity: more than 0.1) (Specific gravity: 0.03, available as option)

principle.

- Applicable to liquids.
- Separate amplifier is available for vibration application.
- With operating lamp.

Wiring

• 2 types of L dimension = 180mm, 250mm



KVX/XV2 **VIBRATION TYPE** LEVEL SWITCH

Principle of Operation

The detection rod vibrates by the piezoelectricity. When the material to be measured touches the rod, the vibration will attenuate.

The attenuation will be transmitted to relay output.

Lightweight/Compact/Quality Level Switch!!

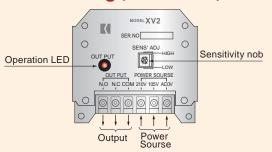


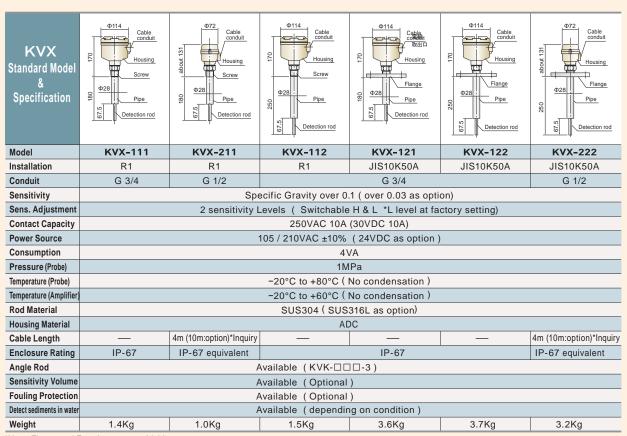
XV2 Series

■ Features

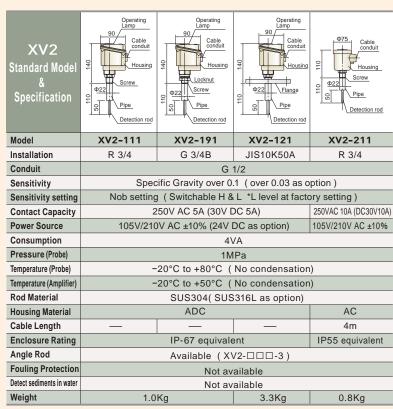
Compact and lightweight while having the same performance as KVX series. It is suitable for the application where a very small level switch is required.

■ Wiring (Built-in Model)



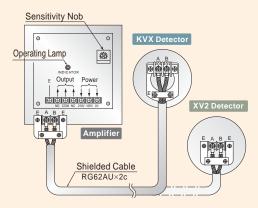


^{*}Note: Flange and Ferrule are not weldable.

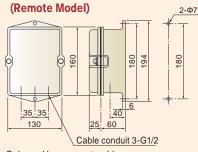


^{*}Note: Flange and Ferrule are not weldable.

■ KVX/XV2 Wiring (Remote Model)

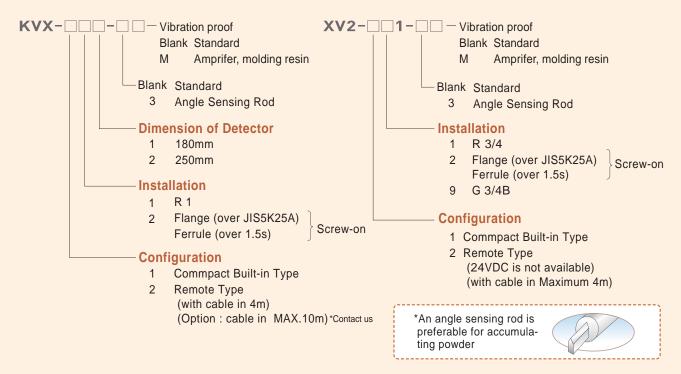


■ KVX/XV2 Outdoor Wall Mounting



Color : Hammer-net gold Weight : 1.7kg

Type Designation



Notes for Installation

In case of horizontal mounting, make the cable conduit directly downward in both Flange and Screw mounting Types. An arrow on a hexagonal nut between the housing and the screw shows the mounting direction (KVX only). Make this arrow up on the hexagonal nut, while the conduit should face directly underneath. When screwing, so as to the correct direction, adjust the finishing angle with increasing or decreasing a thickness of sealant tape. When screwing, you should make the last angle adjustment within a 360 degree roll in rolling the seal tape up or down.

Apply an effective sealing material on the screw when you fix it. The detection rod must be completely protruded inside the tank.

Do not rotate the level switch with housing but with the hexagonal nut by spanner or wrench when you screw in the instrument.

Line of business

- Rotary Paddle Type Level Switch
 Conductance Type Level Switch
- Vibration Type Level Switch
- Swing Type Level Switch
- Acoustic Level Switch
- Capacitance Type Level Switch
- Capacitive Proximity Sensor
- Diaphragm Type Level Switch
- Tilt Switch
- Leak Type Level Switch
- · Microwave Switch
- Sounding Bob Type Level Indicator
- Flow Switch

- Float Type Level Indicator
- Ultrasonic Type Level Indicator
- Equipments For Conveyor Lines
- Dust Monitor System
- - · Laser Type Level Indicator
 - RADAR Type Level Indicator
 - · Ultrasonic Flow meter

General Manufacturer of Level Controllers for Powder, Granules, and Liquid

KANSAI Automation Co., Ltd.

Headquarters:

Agent

2-14, Togano-cho, Kita-ku, Osaka 530-0056, Japan TEL. 81-6-6312-2071 FAX. 81-6-6314-0848 e-mail: info@kansai-automation.co.jp





http://www.kansai-automation.co.jp

Tokyo Branch: 1-29-6, Hamamatsu-cho, Minato-ku, Tokyo 105-0013, Japan TEL. 81-3-5777-6931 FAX. 81-3-5777-6933

Nagoya Office: 3-10-17, Uchiyama, Chigusa-ku, Nagoya 464-0075, Japan TEL. 81-52-741-2432 FAX. 81-52-741-1588

Hiroshima Office: 13-11, Noborimachi, Naka-ku, Hiroshima 730-0016, Japan TEL. 81-82-222-1555 FAX. 81-82-222-1556

Kyushu Office: 1-1-21, Komemachi, Kokura Kita-ku, Kitakyushu 802-0003, Japan TEL. 81-93-511-4741 FAX. 81-93-511-4580

*Please be sure to read USER'S GUIDE, Installation & Operation Instructions before using the instrument *The specifications herein may be subject to change without advance notice.