| Model | USR-SVT10-01AVibration Velocity Sensor |
| --- | --- |
| Picture |  |
| Measurement parameters | X, Y, Z three-axis vibration speed, contact temperature |
| range | Vibration：0-200 mm/s<br>Temp：-40~85℃ |
| Vibration measurement accuracy | vibration：±5% @80Hz<br>Temp：±1℃(Room temp 25℃) |
| Power input | DC9~28V |
| Output | RS485 ,standard Modbus RTU protocol |
| Detection cycle | 500ms |
| Sending conditions | 500ms |
| Working environment | Temp：-40-85°C |
| Protection | IP65 |
| Size | Φ26mm×100 |
| Installing | Threaded installation，M8×10mm<br>Or magnetic installation |
| Frequency | 10～1600 Hz |
| Bottom nut opposite side | 27mm |
| Line length | 1m |

| Model | | USR-SVT10-01B Vibration Acceleration Sensor |
|---|---|---|
| Picture | |  |
| Measurement parameters | | Triaxial (X, Y, Z) Vibration Velocity,<br>Triaxial (X, Y, Z) Vibration Acceleration,<br>Triaxial (X, Y, Z) Vibration Displacement,<br>Frequency, Contact Temperature |
| Triaxial (X, Y, Z) Vibration Velocity | Measurement Accuracy | ±5% @80Hz |
| | Measurement Range | 0-200 mm/s |
| | Display Resolution | 0.1mm/S |
| Triaxial (X, Y, Z) Vibration Acceleration | Measurement Accuracy | ±5% @80Hz |
| | Measurement Range | 正负 16g |
| | Measurement Range | 0.01g |
| Triaxial (X, Y, Z) Vibration Displacement | Measurement Accuracy | ±10% @80Hz |
| | Measurement Range | 0~5000μm |
| | Measurement Range | 1μm |
| Frequency | Measurement Accuracy | ±5% @80Hz |
| | Measurement Range | 10~1600HZ |
| | Measurement Range | 1HZ |
| Contact Temperature | Measurement Accuracy | ±1℃（常温 25℃环境下） |
| | Measurement Range | -40~85℃ |
| | Measurement Range | 0.1℃ |
| Power Consumption | | DC9~28V |
| Output Method / Interface | | RS485 interfance，standard Modbus RTU |
| Detection / Sampling Cycle | | 500ms |
| Transmission Trigger Condition | | 500ms |

| | |
|---|---|
| Operating Environment | Temp: -40-85℃ |
| Protection Rating (IP Code) | IP65 |
| Dimensions / Outline Dimension | Φ26mm×100mm |
| Mounting Method | Threaded Mounting (M8×10mm) or Magnetic Mounting |
| Width Across Flats of Base Nut | 27mm |
| Cable Length | 1m |