

# STS-119

## Security sensor



STVF.426479.027

### PURPOSE

STS-119 electronic vibration sensor is designed to detect an intruder attempting to enter the secured room through an opening fitted with a metal grating.

### FIELDS OF APPLICATION

- as a stand-alone detection device
- as part of integrated facility security systems in combination with detection equipment of other operating principles

### VERSION

- sensor is a metal hermetically sealed casing with a vibration detector controller inside
- sensor casing is equipped with LED indication of operating modes
- sensor design enables its installation on grids with 8-24 mm diameter bars

### FEATURES

- metal grating integrity and vibration monitoring
- sensor housing tampering detection
- transmission of malfunction notification via RS-485 interface and relays
- option to reset the settings to the default

### PECULIARITIES

- works together with monitoring and control devices detecting changes in signal loop resistance value

## SCOPE OF SUPPLY

Name	Quantity
✓ STS-119 Security sensor	1 pc.
✓ Mounting set STVF.425951.049, including:	1 set
– Washer 4 65G 016 GOST 6402-70	4 pcs.
– Screw B2.M4-6g x 35.58.016 GOST 17473-80	4 pcs.
– Washer C. 4.01.10.016 GOST 11371-78	4 pcs.
– Bracket STVF.741461.002	1 pc.
✓ Packaging	1 pc.
✓ Passport	1 pc.
✓ Operating guidelines*	–
* The operating guidelines are supplied in a single copy when shipped with a batch of products or as part of a system. For single deliveries, the operating guidelines are supplied for each unit Operating guidelines are available at: <a href="http://stilsoft.ru">http://stilsoft.ru</a>	

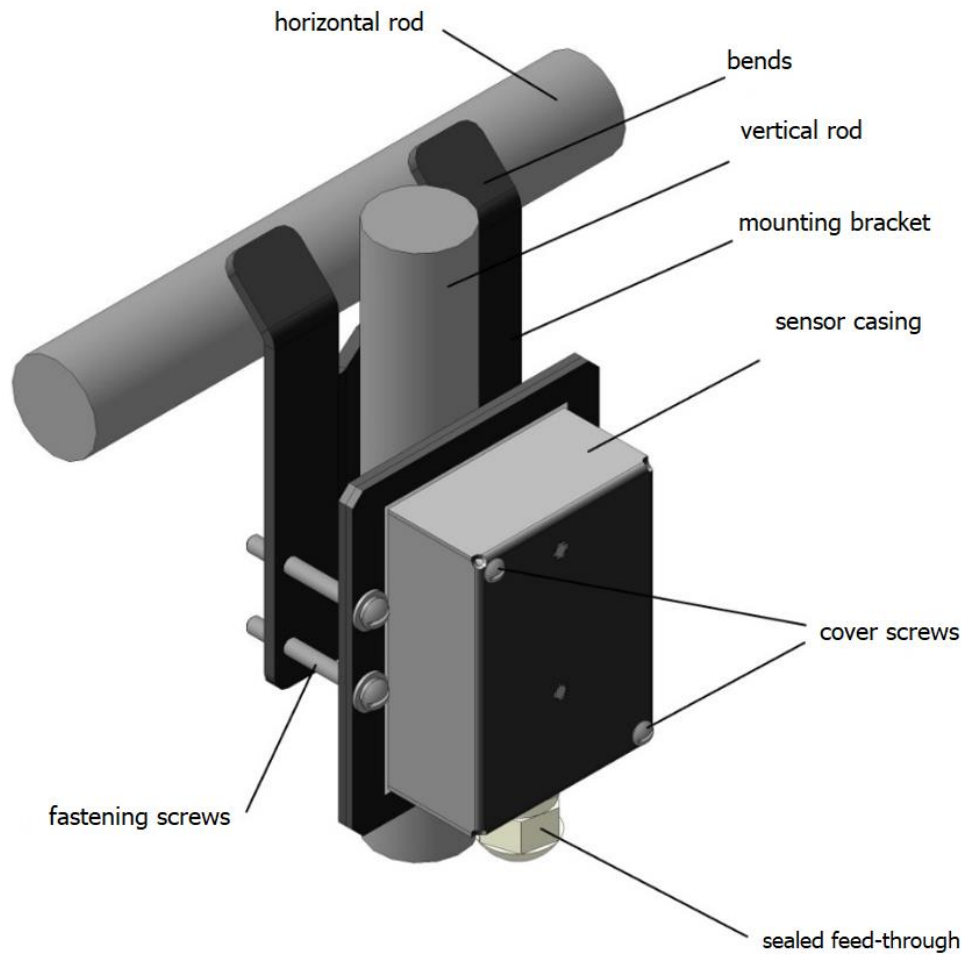
## RELIABILITY AND WARRANTY

- Warranty operation period - 2 years.
- Assigned operation period - 10 years.

## TECHNICAL PARAMETERS

Parameter name	Quantity
Device address - possible entries	0-255 (1 by default)
Grating breakage detection probability (minimum)	0,99
Standby restoration time, s (maximum)	10
Sensor technical standby interval, s (maximum)	30
Alarm notification on casing tampering	Yes
Notification duration, s	from 1 to 10
Sensor detection capability adjustment in manual/automatic modes	Yes
Communication interface	RS-485
RS-485 bus information value	11
Loop information value	5
Controllable mesh area, m <sup>2</sup> (minimum)	2
Permissible mesh rod diameter, mm	8-24
Relay parameters:	
– maximum voltage, V	50
– maximum current, mA	400
– resistance in open state, Ohm	2
DC power supply voltage, V	from 10 to 30
Power consumption, mW (maximum)	76
Generating ALARM signal through output circuit contacts opening	Yes
Operating mode	round-the-clock
Operating temperature range, °C	from -40 to +50
Overall dimensions (HxWxH), mm	103×69×58
Weight, kg (maximum)	0,4

## MOUNTING



## CONNECTION



Contact designation for XT1 connector:

(+) - power supply voltage "plus" connection

(-) - power supply voltage and minus remote control "minus" connection

DK - remote control "plus" connection

TP - alarm relay contacts

DV - tamper sensor

XT2 connector - for connecting devices with RS-485 communication interface.



Developed and manufactured in Russia

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