

Transmitter for Vibration VTV122

URL:<https://www.sxplc.com/transmitter-for-vibration-vtv122>

Product data sheet

Product Characteristics

Vibration measurement range [mm/s]

0.... .25; (RMS)

Frequency range [Hz]

10.... .1000

Application

Applications

Vibration transmitter according to ISO 10816

Electrical data

Operating voltage [V]

9.6.... .32 DC

Protection class

III

Sensor type

Micro-Electro-Mechanical Systems (MEMS)

Total Inputs/Outputs

Total Inputs and Outputs

1

Outputs

Analog current output [mA]

4.... .20

Maximum load value [Ω]

$< (U_b - 9,6 \text{ V}) \times 50$; $U_b = 24 \text{ V}$: 720

Measuring/setting range

Vibration measurement range [mm/s]

0.... .25; (RMS)

Frequency range [Hz]

10.... .1000

Number of measuring axes

1

Accuracy / Deviation

Measurement error [% of final value]

$< \pm 3$

Repeatability

$< 0,5$; (% of final value)

Linearity deviation

0,25 %

Operating conditions

Ambient temperature [°C]

-30.... .125

Note ambient temperature

UL applications: < 80 °C

Storage temperature [°C]

-30.... .125

Enclosure protection class

IP 67; IP 68; IP 69K

Approvals/Tests

EMC Electromagnetic Compatibility

EN 61000-6-2

EN 61000-6-3

Impact resistance

DIN EN 60068-2-27

50 g 11 ms

500 g 1 ms

Vibration resistance

DIN EN 60068-2-6

20 g / 10.... .3000 Hz

MTTF [years]

868

Mechanical and technical data

Weight [g]

123.5

Mounting method

Screw

Raw material

Stainless steel (1.4404 / 316L)

Tightening torque [Nm]

8

Attachment

Scope of supply

Screw: 1 x 1/4"-28 UNF / M8 x 1,25 mm

Screw: 1 x 1/4"-28 UNF

Notes

Packaging unit

1 piece

Electrical connection

Connector: 1 x M12; Translator: A

