

IKV-1-1-2 ver. B vibration measuring channel with voltage output

DV-1 ver. 05 / AV 112

version with the connector on the cable and electronics in the remote unit



The picture shows one of the possible designs IKV-1-1-2 ver. B consists of the DV-1 ver. 04 (DV-1 ver. 05) sensor and the AV 112 remote unit

The appearance of the products may differ a little from those presented in the brochure

Features

It is designed to measure vibration acceleration amplitude in diagnostic systems. They consist of a sensitive element and a remote unit. Connection boxes are optionally supplied for the installation of vibration transducers and remote units.

A connection box can comprise up to 6 remote units.

Metrological parameters

Conversion coefficient, $mV \cdot s^2/m$							
1000	200	66.66667	20	10	6.666667	4	2
Measurement ranges for vibration acceleration amplitude, m/s^2 :							
0-2	0-10	0-30	0-100	0-200	0-300	0-500	0-1000
Operating frequency range, Hz				3-1000			

Explosion protection

Marking 0Ex ia IIC T6...T1 Ga X

Interface

Type of output signal	by voltage, IEPE (ICP compatible)
Supply voltage of the sensor, V	12±0.2
Power current, mA	4-10
Mmaximum amplitude value of alternating voltage measured by the channel, V	~2

Climatic version

Operating temperature range, °C	
• DV-1 ver. 04	-40...+70
• DV-1 ver. 04 (cold)	-60...+70
• DV-1 ver. 05	-40...+90
• DV-1 ver. 05 (cold)	-60...+90
• AV121 remote unit	-60...+70

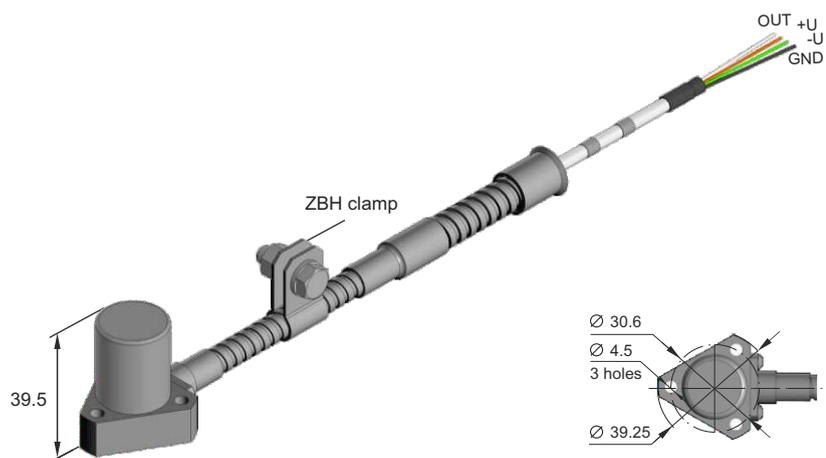
Reliability parameters

MTBF, hours, not less than	40 000
Design service life, hours, not less than	80 000
Warranty service life, months	24
Service life, years	10
Verification interval, years	1



Constructive versions

DV-1 ver. 04



DV-1 ver. 05 + connection cable



Wiring diagram

