

Analog inductive vibration sensor

VSD01

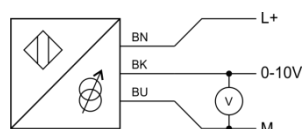
Data sheet
Revision 1.10.2022

Technical data:

Supply voltage	15-30V DC
Supply current	36 mA
Output voltage	0-10V
Output resistance	10 k Ω
Vibration frequency	10-200 Hz
Vibration amplitude max.	± 1 mm
Vibration amplitude min.	$\pm 0,1$ mm
Output cable length	1,3 m
Sensor cable length	0,6 m
Protection	IP54



fig. 1 - wiring diagram



Description

The sensor is designed to measure the amplitude of vibration (oscillation). Converts the magnitude of the amplitude to a 0-10V signal. It consists of two parts. Sensor heads and amplifiers. The sensor works on the induction principle, which means that the sensed part must be metal. The sensor is suitable for connection to the control unit DIGR-1502/E where it is connected in feedback to ensure the stability of the feeder performance depending on its filling

obr. 2 - dimensions

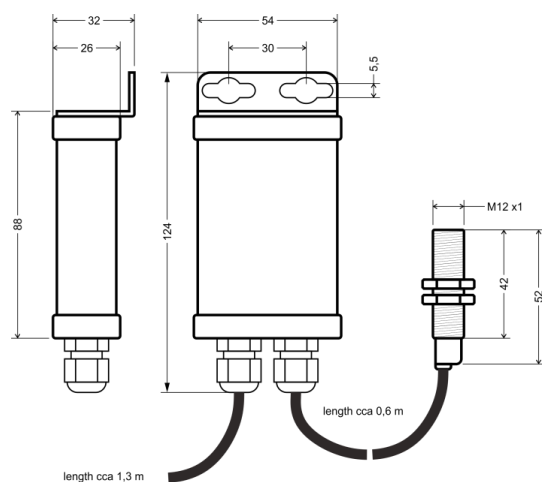


fig. 3 - example of use for a vibrating feeder

