



VBR series

Vibrations and
inclination sensor



Vibrations and
inclination

features

- M18 housing
- AISI316L stainless steel housing (front included)
- IP67 protection degree



web contents

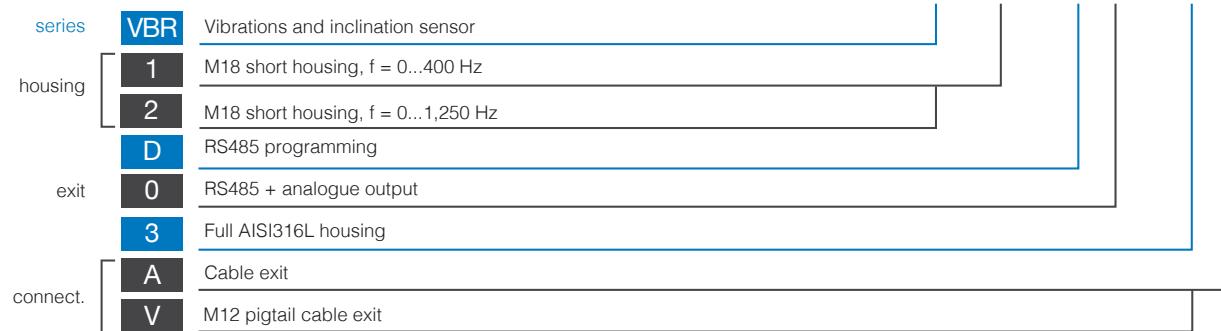


- Application notes
- Photos
- Catalogue / Manuals



code description

VBR | 1 | / | D | 0 | - | 3 | A



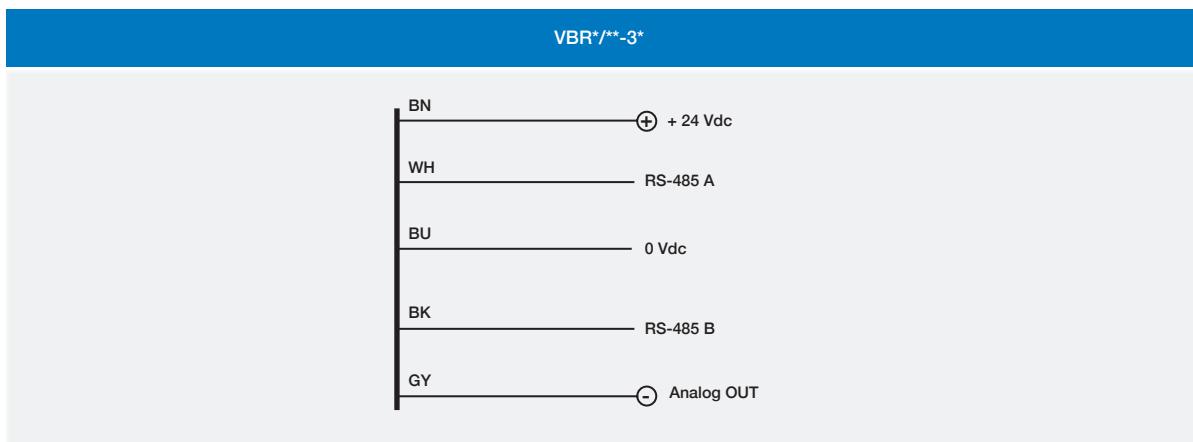


technical specifications

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	VBR1/D0-3*	VBR2/D0-3*
operating voltage		24 Vdc +/- 20%
power consumption		< 1 W
operative range		+/- 16 g (MAX)
resolution		15.62 mg @ +/- 2 g 31.25 mg @ +/- 4 g 62.50 mg @ +/- 8 g 125 mg @ +/- 16 g
detection axes		3 (X, Y, Z)
frequency range	0...400 Hz	0...1,250 Hz
technology		MEMS (Micro Electro-Mechanical Systems)
digital output	RS-485 (addressable) 57600 Baud rate - 1 bit stop - parity	RS-485 (addressable) 921600 Baud rate - 1 bit stop - parity
resolution digital output		16 bit @ RS-485 (complementary to 2) 12 bit @ analogue output
voltage analogue output		0.5 V / 0..10 V (programmable)
current analogue output		4..20 mA / 0..20 mA / 0..24 mA (programmable)
load resistor (voltage)		1k...1M Ohm
load resistor (current)		100...500 Ohm
humidity		< 80 % without freeze
temperature range		-25° C...+ 70°C
storage temperature		-30° ...+90°C without freeze
electrical protections		polarity reversal transient
protection degree		IP 67 (EN60529)
housing material		AISI316L PA12
connections		cable 5 poles pig Tail M12 5 poles
dimensions		M18
weight		100 gr

electrical diagrams of connections

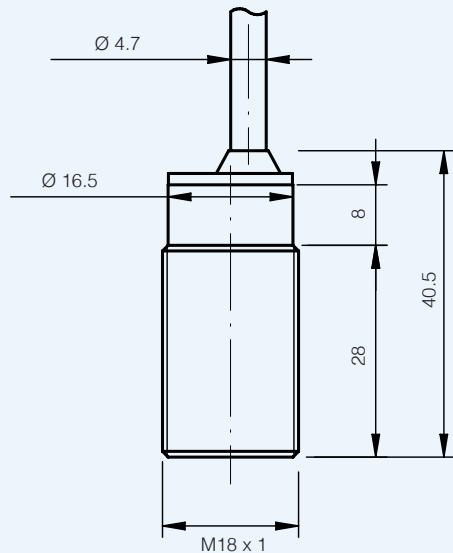


VBR

dimensions (mm)

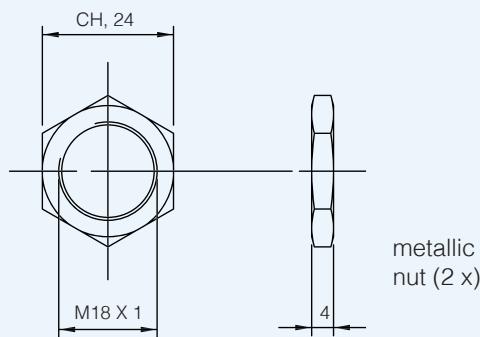


VBR*/**-3*



dimensions (mm)

accessories included

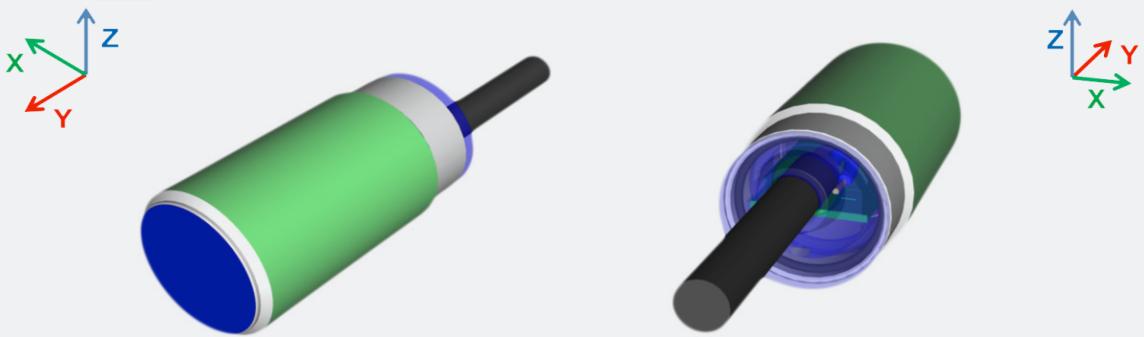


VBR



axes directions

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accessories

bracket ST 18 - S

product	to be used with	dimensions (mm)	description / installation
	VBR series		fixing bracket for M18 sensors

bracket ST 18 - V

product	to be used with	dimensions (mm)	description / installation
	VBR series		fixing bracket for M18 sensors

connection cables

CD12M/0H-050A5 (PUR, 5 m) **CD12M/0H-100A5** (PUR, 10 m)

CD12S/0H-050A1 (PVC, shielded, 5 m) **CD12S/0H-100A1** (PVC, shielded, 10 m)

VBR