

Bearing-Vibration Monitor

Emerson's Dual-Channel Bearing-Vibration Monitor is designed for small and low channel applications such as small steam, gas, and hydro turbines, and such as compressors, pumps, and fans to measure absolute bearing vibration signals. Measurement settings, alarms, and provided outputs are field configurable via software.

Measurement Performance	
Sensor Input Type	Seismic Sensors of Type PR9268
Measurement Range	Freely selectable by means of configuration software according to the measuring range of the applied sensors
Frequency Range:	High-Pass Filter 5 / 10 / 15 Hz
	Low-Pass Filter 50 to 1500 Hz
Connection Type	"Harting" socket
Environmental	
Shock Limit	20 g pk
Temperature Range	-20 to 65°C (-4 to 149°F)
Sealing	IP65
Agency Ratings	CE
Mechanical	
Case Material / Weight	Aluminum, non-corroding / ~1300 g (45.8 oz.)
Mounting	Wall mount



Shown here is one product option. Other options have slightly different sockets and wiring.

CE

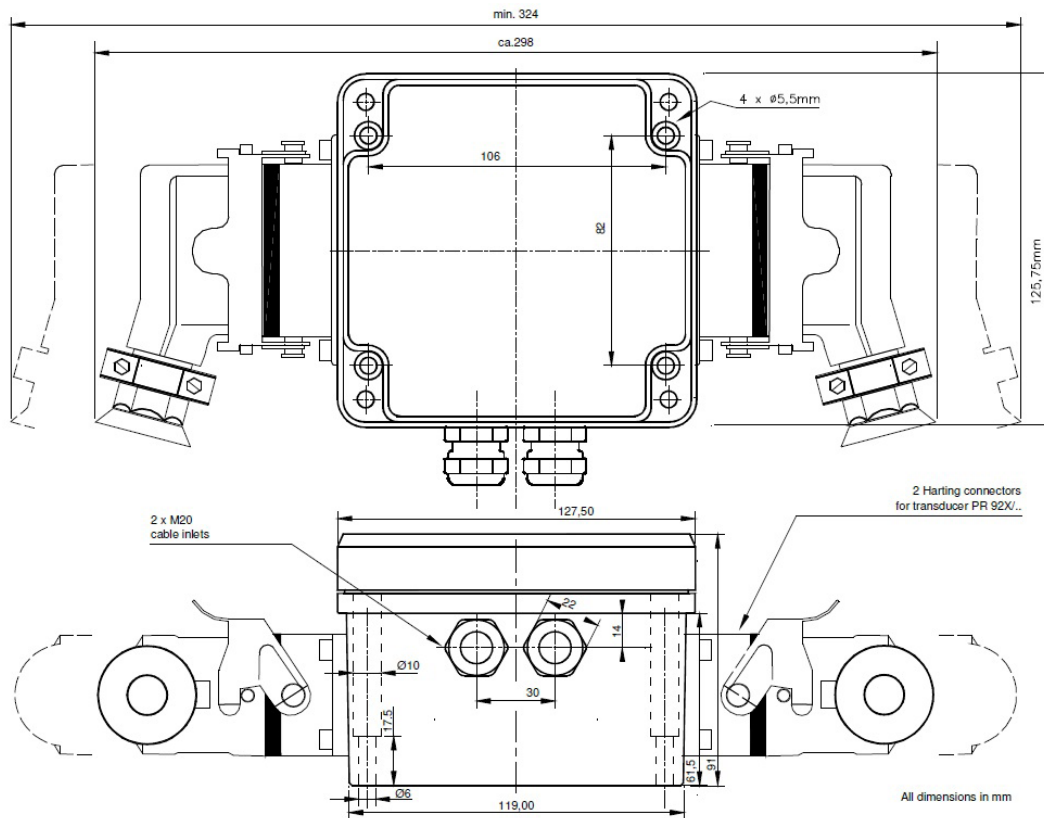
Electrical		
Supply Voltage		Nominal +24 VDC
	Permissible Voltage Range	+18 to +31.2 VDC
Power Consumption		max. 6 W
Buffered Out: (2x)	Connection	Available at Pins (Cage Terminal)
	Voltage Range	±5.0 VDC
	Accuracy	± 2.5%
Current Out: (2x)	Current Range	0/4 to 20 mA (20 to 4/0 mA)
		Galvanically separated
		Open circuit and short-circuit proof
	Maximum Burden	500 Ohm
Relay Out: (5x make contact)	Voltage	U_{MAX} : 48 VDC
	Current	I_{MAX} : 1 A
	Contact Rating	P_{MAX} : 50 W
Compliance and Certifications		
CE		EMC – EN61326-1 2014/30/EU 2014/34/EU 2011/65/EU

Ordering Information

Model Number	Product Description
A3120/022-000	AMS 3120 Bearing-Vibration Monitor

Dimensions

A 3120/022-000



©2017, Emerson. All rights reserved.

The Emerson logo is a trademark and service mark of Emerson Electric Co. All other marks are the property of their respective owners.

The contents of this publication are presented for informational purposes only, and while every effort has been made to ensure their accuracy, they are not to be construed as warranties or guarantees, express or implied, regarding the products or services described herein or their use or applicability. All sales are governed by our terms and conditions, which are available on request. We reserve the right to modify or improve the designs or specifications of our products at any time without notice.

Emerson
Reliability Solutions
 835 Innovation Drive
 Knoxville, TN 37932 USA
 ☎ +1 865 675 2400

🌐 www.emerson.com/ams

