VIBREX®– Technical data

Parameter	VIBREX® basic unit
	Interfaces
Slots	1 or 2 modules
Inputs	2 x CLD accelerometer Mains supply 115 / 230 VAC DC source 24VDC
Outputs / module	1 alarm relay 1 OK relay for self monitoring / warning 1 analog level output (4 – 20 mA) 1 voltage output (mV) for signal analysis
Switching power	Maximum 3 A @ 250 V AC
Operating modes	Combined bearing condition / vibration monitoring (1 or 2 channels); Bearing condition only or vibration monitoring only (1 or 2 channels)
	Electrical
Power supply	AC: 115V/230V, 6VA switchable; 50/60 Hz, 10-15% (IEC 93) DC: 24V, <300 mA, 10-15% (IEC 93)
Overload protection	Thermal fuse in transformer and resistance fuse (160 mA slow-acting)
Signal output (mV)	Direct sensor signal (buffered, 100 Ohm)
Transmission	1.0 mVeff./ms-² (=10 mV/g) for sensors with a sensitivity of 1 µA/ms-² 5.35 mVeff./ms-² (=52 mV/g) for sensors with a sensitivity of 5.35 µA/ms-²
Frequency response	= Frequency response sensor
	Environment
Operating temperature	-10 °C to 60 °C (14 °F to 140 °F)
Environmental protection	IP 65
Vibration limit	< 50 m/s² (center frequency: 60 Hz, bandwidth: 100 Hz)
Housing material	Plastic (polycarbonate, Makrolon) with transparent lid, protection class II
Dimensions	200 mm x 120 mm x 77 mm (7 7/8" x 4 23/32" x 3 1/32") — L x B x W