VIBREX® evaluation module – Technical data

Parameter	VIBREX® evaluation module				
	VIB 5.755 I	VIB 5.755 L	VIB 5.755 ML	VIB 5.756 I	VIB 5.757 G
Measurement					
Measurement quantity	RMS vibration velocity			Shock pulse (Maximum value in dBsv)	RMS vibration acceleration
Frequency range	10 Hz – 1 kHz	1 Hz – 1 kHz	2 Hz – 1 kHz	---	2 Hz – 20 kHz
Measurement range	0 to 10 / 20 / 50 / 100 mm/s			20 - 79 dBsv	0 to 60 / 120 / 300 / 600 m/s-²
Electrical					
Operating voltage	18 – 30 V DC				
Maximum current	approx. 35 mA				
Output	4-20 mA, analog — with basic unit				
Settings					
Status and alarm indicators	5 LEDs for alarm, warning, short circuit, open circuit, and power supply				
Alarm and warning thresholds	10% to 100% of measurement range end value			Alarm: 20 – 79 dBsv. Warning: ‚Alarm' – 15 dBsv	10% to 100% of measurement range end value
Alarm and warning delay	5 – 50 s				
Type of industrial sensor	Standard *	Low-speed**	Standard	Standard	Standard

* Sensitivity: 1,0 µA/ms-²
** Sensitivity: 5,35 µA/ms-²