

General Information

ESD, Handling and Transport

More and more of our products contain sensitive electronics and thus ESD sensitive parts. Please be mindful of the specifications concerning ESD as mentioned in DIN EN 61340. Please follow the regulations in handling with electronic devices during transporting, unpacking and working with the devices. Never grab into the connectors.

Battery

Some of the devices use Lithium-Ion batteries; see data sheets of our products. Abide by the maintenance cycle schedule to ensure correct operation. The required service interval is 12 months. Please use extra caution to be certain that the correct waste removal procedure of the battery is followed.

Installation

The correct installation extends reliability and durability. Please follow the specifications regarding temperature, humidity, vibration and liquid compatibility. For these specifications please refer to the data sheets of our products.

Vibration Profile 1

Broadband noise: 8h/Direction	
Frequency (Hz)	Acceleration density [(m/s ²) ² /Hz]
20	50.4
55	26.0
180	1.0
300	1.0
360	0.56
1,000	0.6
2,000	0.6
Effective Value a _{eff}	55.4 m/s ²

Sinus: 8h/Direction	
Frequency (Hz)	Acceleration [m/s ²]
100	50
180	200
250	200
350	60
2,000	60

Vibration Profile 2

Broadband noise: 8h/Direction	
Frequency (Hz)	Acceleration density [(m/s ²) ² /Hz]
10	10
50	10
66.7	1
100	1
1,000	0.1
Effective Value a _{eff}	26.9 m/s ²

Vibration Profile 3

Sinus		
Alteration rate of frequency: 1 oct./min		
Frequency [Hz]	Amplitude of acceleration [m/s ²]	Amplitude of oscillation lane [µm]
20	50	
85	50	
85		175
200		175
200	280	
220	280	
300	125	
440	125	

Broadband noise	
Frequency [Hz]	Acceleration density [(m/s ²) ² /Hz]
10	14.0
50	7.0
60	3.5
300	0.51
500	45.6
1,500	15.26
Effective Value a _{eff}	168 m/s ²