

Inspection Certificate *Prüfzertifikat*

Certificate number 33015__2020_03_11
Zertifikatsnummer

Manufacturer Pruftechnik
Hersteller Oskar-Messter-Str 19-21
85737 Ismaning
Germany

Item VIBXPRT II
Gegenstand

Type VIB 5.310
Typ

Serial no. 33015
Seriennummer



Hardware version 102
Hardwareversion

Firmware version 03.22 796
Firmwareversion

Date of inspection 11.3.2020
Datum der Prüfung

Recommended date of next inspection 30.4.2022
Nächster empfohlener Prüftermin

Conformity The inspection results conform to the specified requirements.
Konformitätsaussage Die Prüfergebnisse entsprechen den spezifizierten Anforderungen.

We hereby confirm that the mentioned item has been tested in accordance with PRÜFTECHNIK standards, as well as being subject to an ISO 9001 certified quality management system.

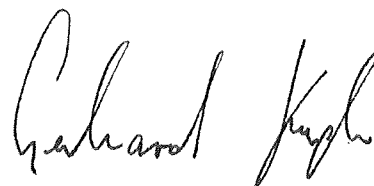
It remains the responsibility of the user to ensure that the inspection is repeated within a reasonable period. PRÜFTECHNIK recommends a maximum period of 24 months.

The result only relate to the mentioned item. This certificate may be redistributed only in completeness, and may not be altered. Certificates without signature and official stamp are invalid.

Hiermit bestätigen wir, dass der genannte Gegenstand unter Zugrundelegung von Werkstandards sowie unter Beachtung eines nach ISO 9001 zertifizierten Qualitätsmanagementsystems geprüft wurde.

Für die Einhaltung einer angemessenen Frist zur Wiederholung der Prüfung ist der Benutzer verantwortlich. PRÜFTECHNIK empfiehlt ein maximales Intervall von 24 Monaten.

Die Prüfergebnisse beziehen sich ausschließlich auf den genannten Gegenstand. Dieses Zertifikat darf nur vollständig und unverändert weiterverbreitet werden. Zertifikate ohne Unterschrift und Stempel haben keine Gültigkeit.



Gerhard Kugler

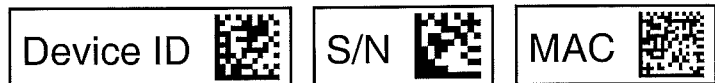
Company stamp **Date** 2020-03-11
Firmenstempel *Datum*

Responsible person
Verantwortlicher

Test equipment:

Calimaster	VIB 2.261	User	F V
HW ID	127		
SW Version HW	2.0 (build 745)		

Device under test:



Device name	VIBXPERT II	Battery ID	2884390635
Type	VIB 5.310	MAC address	00:03:5f:80:80:f7
Serial number	33015	FW version	03.22 796
Device HW state	102	Controller FW version	162
Mainboard HW state	232	Mainboard serial	1029/30/15-024
Keyboard HW state	110	CPU module version	2.0B
Bat. contact HW state	100	Last calibration date	11.3.2020
Device ID	3512394577	Next calibration date	30.4.2022

Channel A

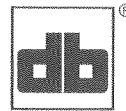
	Measured	Target	Deviation	Dev. Limits	State
Without integration -> frequency 159Hz, values[m/s]^2					
0.5 Hz - 1 kHz	99.994	99.912	0.081%	-1.00% / +1.00%	PASSED
1 Hz - 1 kHz	299.783	299.502	0.094%	-1.00% / +1.00%	PASSED
2 Hz - 1 kHz	299.787	299.501	0.095%	-1.00% / +1.00%	PASSED
10 Hz - 1 kHz	299.816	299.502	0.105%	-1.00% / +1.00%	PASSED
10 Hz - 10 kHz	99.698	99.432	0.267%	-1.00% / +1.00%	PASSED
Single integration -> frequency 159Hz, values[mm/s]					
0.5 Hz - 1 kHz	100.000	99.912	0.087%	-1.00% / +1.00%	PASSED
1 Hz - 1 kHz	99.503	99.432	0.071%	-1.00% / +1.00%	PASSED
2 Hz - 1 kHz	299.456	299.501	-0.015%	-1.00% / +1.00%	PASSED
10 Hz - 1 kHz	29.535	29.513	0.075%	-1.00% / +1.00%	PASSED
Amplifier linearity LF -> high-pass 10Hz, values[m/s^2]					
Amplification = 1	2000.574	1999.744	0.042%	-0.50% / +0.50%	PASSED
Amplification = 10	199.674	199.470	0.102%	-0.50% / +0.50%	PASSED
Amplification = 100	19.506	19.473	0.170%	-0.50% / +0.50%	PASSED
Amplifier linearity shock pulse -> values[dB]					
Amplification = 1	84.023	84.244	-0.221dB	-0.8dB / +0.8dB	PASSED
Amplification = 10	58.064	58.174	-0.110dB	-0.8dB / +0.8dB	PASSED
Voltage Input -> values[mV]					
Voltage Input	1749.672	1749.530	0.008%	-0.50% / +0.50%	PASSED

Channel B

	Measured	Target	Deviation	Dev. Limits	State
Without integration -> frequency 159Hz, values[m/s]^2					
0.5 Hz - 1 kHz	100.036	99.912	0.123%	-1.00% / +1.00%	PASSED
1 Hz - 1 kHz	299.926	299.501	0.142%	-1.00% / +1.00%	PASSED
2 Hz - 1 kHz	299.930	299.501	0.143%	-1.00% / +1.00%	PASSED
10 Hz - 1 kHz	299.921	299.500	0.140%	-1.00% / +1.00%	PASSED
10 Hz - 10 kHz	99.748	99.431	0.318%	-1.00% / +1.00%	PASSED
Single integration -> frequency 159Hz, values[mm/s]					
0.5 Hz - 1 kHz	100.055	99.912	0.143%	-1.00% / +1.00%	PASSED
1 Hz - 1 kHz	99.628	99.432	0.197%	-1.00% / +1.00%	PASSED
2 Hz - 1 kHz	299.598	299.501	0.032%	-1.00% / +1.00%	PASSED
10 Hz - 1 kHz	29.556	29.514	0.141%	-1.00% / +1.00%	PASSED
Amplifier linearity LF -> high-pass 10Hz, values[m/s^2]					
Amplification = 1	2001.913	1999.741	0.109%	-0.50% / +0.50%	PASSED
Amplification = 10	199.764	199.471	0.147%	-0.50% / +0.50%	PASSED
Amplification = 100	19.520	19.473	0.244%	-0.50% / +0.50%	PASSED
Amplifier linearity shock pulse -> values[dB]					
Amplification = 1	84.256	84.244	0.012dB	-0.8dB / +0.8dB	PASSED
Amplification = 10	58.304	58.174	0.130dB	-0.8dB / +0.8dB	PASSED
Voltage Input -> values[mV]					
Voltage Input	1750.018	1749.524	0.028%	-0.50% / +0.50%	PASSED

Speed

	Measured	Target	Deviation	Dev. Limits	State
Speed measurement					
Speed [RPM]	100.004	100.000	0.004%	-0.05% / +0.05%	PASSED



Temperature

	Measured	Target	Deviation	Dev. Limits	State
Temperature measurement NiCrNi -> values[°C]					
0°C (32°F)	23.690	24.039	-0.349Abs	-3Abs / +3Abs	PASSED
100°C (212°F)	123.150	123.359	-0.169%	-3.00% / +3.00%	PASSED
500°C (932°F)	522.820	521.859	0.184%	-5.00% / +5.00%	PASSED

Inspector: