

Calibration of Vibration Calibrators

Vibration Calibration System VC100, VC110, VC120

Item	Description
VC1xx-AK	<p>VC100/VC110/VC120 – Traceable calibration with adjustment</p> <ul style="list-style-type: none"> • Incoming inspection of the VC1xx to determine the calibration capability <ul style="list-style-type: none"> • General function test • Measurement of the incoming deviation of the vibration acceleration • Check of the measuring channels • Quotation for necessary service work/calibration • Adjustment of vibration acceleration and measuring channel (if not desired: Option -OJ) • Traceable calibration of vibration acceleration, frequency and harmonic distortion according to ISO 16063-44:2019 after adjustment • Traceable calibration of voltage and charge measurement channels according to DKD-R 3-2:2019 after adjustment • Conformity check of measurement accuracy of vibration acceleration, voltage and charge measurement channels. <p>Note: Conformity check is performed according to decision rule 2: without consideration of the measurement uncertainty</p> <p>Documentation: accredited calibration certificate according to DIN EN ISO/IEC 17025:2018 (at extra charge with option: -EA)</p>
VC1xx-WK	<p>VC100/VC110/VC120 – Non-traceable factory calibration with adjustment</p> <ul style="list-style-type: none"> • Incoming inspection of the VC1xx to determine the calibration capability <ul style="list-style-type: none"> • General function test • Measurement of the incoming deviation of the vibration acceleration • Check of the measuring channels • Quotation for necessary service work/calibration • Adjustment of vibration acceleration and measuring channel (if not desired: Option -OJ) • Non-traceable factory calibration of vibration acceleration after adjustment • Non-traceable factory calibration of voltage and charge measurement channels after adjustment <p>Documentation: Calibration data sheet (not traceable), factory calibration certificates are not accredited reports and are therefore not covered by EA MLA.</p>
Option -OJ	<p>Option Without Adjustment</p> <ul style="list-style-type: none"> • Without adjustment of vibration acceleration and measuring channels
Option -EA	<p>Option Incoming Deviation</p> <ul style="list-style-type: none"> • Non-traceable factory calibration of the incoming deviation of the vibration acceleration and the measuring channels <p>Documentation: Calibration data sheet (not traceable), factory calibration certificates are not accredited reports and are therefore not covered by EA MLA.</p>

Fix-Point Vibration Calibrators VC10, VC11, VC12, VC13, VC20

Item	Description
VCxx-AK	<p>VC10, VC11, VC12, VC13, VC20 – Traceable calibration</p> <ul style="list-style-type: none"> • Incoming inspection of the VC1xx to determine the calibration capability: <ul style="list-style-type: none"> • Visual inspection • General function test • Measurement of the incoming deviation of the vibration acceleration • Adjustment, if the measurement deviation exceeds the intervention threshold of $\pm 0.5\%$ and if possible (if not desired: Option -OJ) • Determination of vibration acceleration, frequency and harmonic distortion for one operating point according to DIN ISO 16063-44:2019 after adjustment (at extra charge with option: -WP and / or -EA) <p>Documentation: accredited calibration certificate according to DIN EN ISO/IEC 17025:2018 (at extra charge with option: -R1 or -R2)</p>
VCxx-WK	<p>VC10, VC11, VC12, VC13, VC20 – Non-traceable factory calibration with adjustment</p> <ul style="list-style-type: none"> • Incoming inspection of the VC1xx to determine the calibration capability: <ul style="list-style-type: none"> • Visual inspection • General function test • Measurement of the incoming deviation of the vibration acceleration • Adjustment, if the measurement deviation exceeds the intervention threshold of $\pm 0.5\%$ and if possible (if not desired: Option -OJ) • Determination of vibration acceleration and frequency for one operating point before and, if necessary, after adjustment (at extra charge with option: -WP) <p>Documentation: Calibration data sheet (not traceable), factory calibration certificates are not accredited reports and are therefore not covered by EA MLA.</p>
Option -OJ	<p>Without Adjustment</p> <ul style="list-style-type: none"> • without adjustment of the vibration acceleration, if the measurement deviation exceeds the intervention threshold of $\pm 0.5\%$
Option -WP	<p>Additional calibration of another operating point</p> <ul style="list-style-type: none"> • In case of traceable calibration, determination of vibration acceleration, frequency, harmonic distortion for another operating point according to DIN ISO 16063-44:2019 after adjustment • In case of non-traceable factory calibration, determination of vibration acceleration and frequency for another operating point before and, if necessary, after adjustment
Option -EA	<p>Documentation of the input deviation of the vibration acceleration</p> <ul style="list-style-type: none"> • For one operating point before adjustment <p>Documentation: Calibration data sheet (not traceable), factory calibration certificates are not accredited reports and are therefore not covered by EA MLA.</p>
Option -R1	<p>Additional conformity check according to data sheet for accredited calibration certificate according to decision rule 1: Consideration of measurement uncertainty</p> <ul style="list-style-type: none"> • Conformity check for vibration acceleration <p>Documentation: accredited calibration certificate according to DIN EN ISO/IEC17025:2018</p>
Option -R2	<p>Additional conformity check according to data sheet for accredited calibration certificate according to decision rule 2: Without consideration of measurement uncertainty</p> <ul style="list-style-type: none"> • Conformity check for vibration acceleration <p>Documentation: accredited calibration certificate according to DIN EN ISO/IEC17025:2018</p>

Multi-Point Vibration Calibrator VC21

Item	Description
VC21-AK	<p>VC21 – Traceable calibration</p> <ul style="list-style-type: none"> • Incoming inspection of the VC1xx to determine the calibration capability: <ul style="list-style-type: none"> • Visual inspection • General function test • Measurement of the incoming deviation of the vibration acceleration • Adjustment, if the measurement deviation exceeds the intervention threshold of $\pm 0.5\%$ and if possible (if not desired: Option -OJ) • Determination of vibration acceleration, frequency and harmonic distortion for 29 operating points according to DIN ISO 16063-44:2019 after adjustment (at extra charge with option: -WP and / or -EA) <p>Documentation: accredited calibration certificate according to DIN EN ISO/IEC 17025:2018 (at extra charge with option: -R1 or -R2)</p>
VC21-WK	<p>VC21 – Non-traceable factory calibration with adjustment</p> <ul style="list-style-type: none"> • Incoming inspection of the VC1xx to determine the calibration capability: <ul style="list-style-type: none"> • Visual inspection • General function test • Measurement of the incoming deviation of the vibration acceleration • Adjustment, if the measurement deviation exceeds the intervention threshold of $\pm 0.5\%$ and if possible (if not desired: Option -OJ) • Determination of vibration acceleration and frequency for 29 operating points before and, if necessary, after adjustment (at extra charge with option: -WP) <p>Documentation: Calibration data sheet (not traceable), factory calibration certificates are not accredited reports and are therefore not covered by EA MLA.</p>
Option -OJ	<p>Without Adjustment</p> <ul style="list-style-type: none"> • without adjustment of the vibration acceleration, if the measurement deviation exceeds the intervention threshold of $\pm 0.5\%$
Option -WP	<p>Additional calibration of another operating point</p> <ul style="list-style-type: none"> • In case of traceable calibration, determination of vibration acceleration, frequency, harmonic distortion for another operating point according to DIN ISO 16063-44:2019 after adjustment • In case of non-traceable factory calibration, determination of vibration acceleration and frequency for another operating point before and, if necessary, after adjustment
Option -EA	<p>Documentation of the input deviation of the vibration acceleration</p> <ul style="list-style-type: none"> • For one operating point before adjustment <p>Documentation: Calibration data sheet (not traceable), factory calibration certificates are not accredited reports and are therefore not covered by EA MLA.</p>
Option -R1	<p>Additional conformity check according to data sheet for accredited calibration certificate according to decision rule 1: Consideration of measurement uncertainty</p> <ul style="list-style-type: none"> • Conformity check for vibration acceleration <p>Documentation: accredited calibration certificate according to DIN EN ISO/IEC17025:2018</p>
Option -R2	<p>Additional conformity check according to data sheet for accredited calibration certificate according to decision rule 2: Without consideration of measurement uncertainty</p> <ul style="list-style-type: none"> • Conformity check for vibration acceleration <p>Documentation: accredited calibration certificate according to DIN EN ISO/IEC17025:2018</p>