

Calibration of Vibration Calibrators

Vibration Calibration System VC100, VC110, VC120

| Item | Description |
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| 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 |
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| 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/IEC 17025:2018</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/IEC 17025:2018</p> |

Multi-Point Vibration Calibrator VC21

| Item | Description |
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| 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/IEC 17025:2018</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/IEC 17025:2018</p> |