

# Calibration of Vibration Meters

## VM12, VM15, VM22, VM23, VM24 and VM25

| Item                             | Description   |
|----------------------------------|---|
| <b>VM12-AK</b><br><b>VM22-AK</b> | Traceable calibration of vibration meters VM12 or VM22 <ul style="list-style-type: none"> <li>• Incoming inspection of the instrument to determine the calibration capability:               <ul style="list-style-type: none"> <li>• Visual inspection</li> <li>• General function test</li> </ul> </li> <li>• Adjustment, if the measurement deviation exceeds the specified limits and if possible (if not desired: Option -OJ)</li> <li>• Measurement of vibration velocity at 3 points according to DKD-R 3-1 part 3: 05/2020 (at extra charge with option: -WP, -FG and / or -EA)</li> </ul> Documentation: accredited calibration certificate according to DIN EN ISO/IEC 17025:2018 (at extra charge with option: -R1 or -R2)                                 |
| <b>VM12-WK</b><br><b>VM22-WK</b> | Non-traceable factory calibration of vibration meters VM12 or VM22 <ul style="list-style-type: none"> <li>• Incoming inspection of the instrument to determine the calibration capability:               <ul style="list-style-type: none"> <li>• Visual inspection</li> <li>• General function test</li> </ul> </li> <li>• Adjustment, if the measurement deviation exceeds the specified limits and if possible (if not desired: Option -OJ)</li> <li>• Measurement of vibration velocity at 3 points according to DKD-R 3-1 part 3: 05/2020 (at extra charge with option: -WP and / or -FG)</li> </ul> Documentation: Calibration data sheet (not traceable), factory calibration certificates are not accredited reports and are therefore not covered by EA MLA. |
| <b>VM23-AK</b>                   | Traceable calibration of vibration meter VM23 <ul style="list-style-type: none"> <li>• Incoming inspection of the instrument to determine the calibration capability:               <ul style="list-style-type: none"> <li>• Visual inspection</li> <li>• General function test</li> </ul> </li> <li>• Adjustment, if the measurement deviation exceeds the specified limits and if possible (if not desired: Option -OJ)</li> <li>• Measurement of vibration velocity at 3 points each for RMS and PEAK-PEAK mode according to DKD-R 3-1 part 3: 05/2020 (at extra charge with option: -WP, -FG and / or -EA)</li> </ul> Documentation: accredited calibration certificate according to DIN EN ISO/IEC 17025:2018 (at extra charge with option: -R1 or -R2)          |
| <b>VM23-WK</b>                   | Non-traceable factory calibration of vibration meters VM12 or VM22 <ul style="list-style-type: none"> <li>• Incoming inspection of the instrument to determine the calibration capability:               <ul style="list-style-type: none"> <li>• Visual inspection</li> <li>• General function test</li> </ul> </li> <li>• Adjustment, if the measurement deviation exceeds the specified limits and if possible (if not desired: Option -OJ)</li> <li>• Measurement of vibration velocity at 3 points each for RMS and PEAK-PEAK mode (at extra charge with option: -WP and / or -FG)</li> </ul> Documentation: Calibration data sheet (not traceable), factory calibration certificates are not accredited reports and are therefore not covered by EA MLA.        |

| Item   | Description   |
|--|---|
| <b>VM15-AK</b><br><b>VM24-AK</b><br><b>VM25-AK</b> | Traceable calibration of vibration meters VM15, VM24 or VM25<br><ul style="list-style-type: none"> <li>• Incoming inspection of the instrument to determine the calibration capability:               <ul style="list-style-type: none"> <li>• Visual inspection</li> <li>• General function test</li> </ul> </li> <li>• Adjustment, if the measurement deviation exceeds the specified limits and if possible (if not desired: Option -OJ)</li> <li>• Measurement of vibration acceleration, velocity and displacement at 3 points each in RMS and Peak mode according to DKD-R 3-1 part 3: 05/2020 (at extra charge with option: -WP, -FG and / or -EA)</li> </ul> Documentation: accredited calibration certificate according to DIN EN ISO/IEC 17025:2018 (at extra charge with option: -R1 or -R2) |
| <b>VM15-WK</b><br><b>VM24-WK</b><br><b>VM25-WK</b> | Non-traceable factory calibration of vibration meters VM15, VM24 or VM25<br><ul style="list-style-type: none"> <li>• Incoming inspection of the instrument to determine the calibration capability:               <ul style="list-style-type: none"> <li>• Visual inspection</li> <li>• General function test</li> </ul> </li> <li>• Adjustment, if the measurement deviation exceeds the specified limits and if possible (if not desired: Option -OJ)</li> <li>• Measurement of vibration acceleration, velocity and displacement at 3 points each in RMS and Peak mode (at extra charge with option: -WP and / or -FG)</li> </ul> Documentation: Calibration data sheet (not traceable), factory calibration certificates are not accredited reports and are therefore not covered by EA MLA.        |
| <b>Option -OJ</b>                                  | Without Adjustment<br><ul style="list-style-type: none"> <li>• without adjustment of the vibration acceleration, if the measurement deviation exceeds the specified limits</li> </ul>   |
| <b>Option -WP</b>                                  | Calibration at additional points  |
| <b>Option -FG</b>                                  | Additional calibration of frequency response for one measuring range with 11 points   |
| <b>Option -EA</b>                                  | Documentation of the input deviation of the vibration acceleration<br><ul style="list-style-type: none"> <li>• For one operating point before adjustment</li> </ul> Documentation: Calibration data sheet (not traceable), factory calibration certificates are not accredited reports and are therefore not covered by EA MLA.   |
| <b>Option -R1</b>                                  | Additional conformity check according to data sheet for accredited calibration certificate according to decision rule 1: Consideration of measurement uncertainty<br><ul style="list-style-type: none"> <li>• Conformity check for all measuring points</li> </ul> Documentation: accredited calibration certificate according to DIN EN ISO/IEC 17025:2018   |
| <b>Option -R2</b>                                  | Additional conformity check according to data sheet for accredited calibration certificate according to decision rule 2: Without consideration of measurement uncertainty<br><ul style="list-style-type: none"> <li>• Conformity check for all measuring points</li> </ul> Documentation: accredited calibration certificate according to DIN EN ISO/IEC 17025:2018   |