

Portable Load Cell Calibration

Do it yourself

Model 72KME



Features

- Force measurement ranges 0 ... 500 N to 0 ... 50 kN
- System accuracy 0.3% of full scale
- Extremely compact, space-saving and user-friendly
- Reference measurement chains optionally available with DAkkS calibration certificate

Highlights

- Extensive accessories available: adapters, force application and centering components for optimal results
- Force measurement systems can be calibrated and tested, irrespective of manufacturer
- Comes with powerful evaluation and calibration software for producing calibration certificates including all information required for an audit

Calibrate your load cells and systems

As manufacturer of load cells, torque, displacement and pressure sensors and systems for sensor signal processing burster runs its own calibration laboratory accredited according to ISO 17025 (DAkkS) We developed the Portable Load Cell Calibration Stand with the know-how acquired during several decades of insight and experience in testing and calibrating force measurement systems.

Ready for operation and easy to use, this mobile force measuring device assists you with your calibration tasks.

Following reference measurement chains are prepared and available:

| Reference sensor (Sensor and signal processing) | Range 1 | Range 2 |
|--|--------------|-------------|
| 0 ... 1 kN | 0 ... 500 kN | 0 ... 1 kN |
| 0 ... 5 kN | 0 ... 2 kN | 0 ... 5 kN |
| 0 ... 20 kN | 0 ... 10 kN | 0 ... 20 kN |
| 0 ... 50 kN | 0 ... 50 kN | |



Calibrate your load cells and force measurement systems

Following versions of the Portable Load Cell Calibration Stand are available:

| | |
|-----------------|--|
| 72KME-6050-V000 | Portable Load Cell Calibration Stand (compression force only) incl. shipping case and evaluation sheet |
| 72KME-6050-V010 | Portable Load Cell Calibration Stand (compression force only) incl. parts for operation up to 20 kN, shipping case and evaluation sheet |
| 72KME-6050-V020 | Portable Load Cell Calibration Stand (compression force only) incl. parts for operation up to 50 kN, shipping case and evaluation sheet |

Following mechanical parts are available:

| | |
|-----------------|---|
| 72KME-6050-Z010 | Parts for operation up to 20 kN for 72KME-6050-V000 |
| 72KME-6050-Z020 | Parts for operation up to 50 kN for 72KME-6050-V000 |

Rely on the following commissioning support or training:

| | |
|-----------------|--|
| 72KME-6050-I010 | 1 day commissioning and/or training for Portable Load Cell Calibration Stand (excl. travel expenses) |
|-----------------|--|

Choose from the following reference measurement chains:

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|-----------------|---|
| 72KME-6050-Z310 | Reference measurement chain incl. sensor for 1 kN, 9206 in tube housing + adjustment + ISO calibration certificate for 1 kN and 500 N |
| 72KME-6050-Z320 | Reference measurement chain incl. sensor for 5 kN, 9206 in tube housing + adjustment + ISO calibration certificate for 2 kN and 5 kN |
| 72KME-6050-Z330 | Reference measurement chain incl. sensor for 20 kN, 9206 in tube housing + adjustment + ISO calibration certificate for 10 kN and 20 kN |
| 72KME-6050-Z340 | Reference measurement chain incl. sensor for 50 kN, 9206 in tube housing + adjustment + ISO calibration certificate for 50 kN |
| 72KME-6050-Z410 | Calibration adapter for sensors (9206 with 12-pin connector) and ISO17025 calibration certificate |

Range of fixtures and adapters, which serve you center sensors and transfer the load:

| | |
|-----------------|---|
| 72KME-6050-Z110 | Centering parts for various burster sensors up to 20 kN (12 pcs.) |
| 72KME-6050-Z120 | Centering parts for various burster sensors up to 50 kN (12 pcs.) |
| 72KME-6050-Z210 | Load button for sensors with threaded hole or through hole |
| 72KME-6050-Z220 | Load button for burster sensors 8552/8451 incl. push rod diameter = 8, 10, 12, 20 mm |
| 72KME-6050-Z230 | Load button for various burster sensors with male thread M3, M4, M5, M6 up to 5 kN |
| 72KME-6050-Z240 | Load button for various burster sensors with male thread M10, M12, M20 up to 50 kN |

