

# Portable Load Cell Calibration

## Do it yourself

### Calibrate your load cells



Service Phone:  
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ON-SITE



This is how the Portable Load Cell Calibration Stand works:

- Set up and level the Portable Load Cell Calibration Stand.
- Place and center the reference sensor and the test sensor in the unit.
- Connect both sensors to the USB port of your laptop.
- Use the hand pump to create the desired loads.
- Transfer the data points you need with the push of a button to the Analysis Application.
- Print your calibration certificate which includes all necessary information to pass an audit.

### Calibrate your load cells

Since 1965 we manufacture sensors and measurement equipment and operate our own accredited ISO17025 calibration laboratory. We developed the Portable Load Cell Calibration Stand with the know-how acquired during several decades of insight and experience. You can calibrate your load cells and load cell based measurement systems with our Portable Load Cell Calibration Stand. It measures with a precision of 0.3 % of full scale.

### FAQ

#### What reference measurement chains does burster offer?

Select the best fit reference measurement chain from the table below:

Reference sensor	Range 1	Range 2
1 kN	500 N	1 kN
5 kN	2 kN	5 kN
20 kN	10 kN	20 kN
50 kN	50 kN	

#### I already have reference sensors or reference measurement chains. Is there a need to change?

Never change a winning team! Go ahead and use what you have. If you like the push-of-a-button data acquisition concept, we can also assist you to set this up.

#### My reference sensor and measurement chains cannot be connected with a laptop. What now?

It is not a necessity to connect the sensor with a laptop. You can also read your data of whatever indicator you have, plug the values into our Analysis Application and get your calibration certificate with all statistical information on it.

#### I do not use burster load cells. Does the Portable Load Cell Calibration Stand still work for me?

Yes it does! Bear in mind though, you need to center the load cells inside the unit. We have or can provide adapters and parts which can help you achieve that.

#### I don't feel comfortable setting up the system myself.

#### Can you come and assist me get to know the process?

None of us are born genius. We'll be glad to come by and support you with whatever issues you have. Let us know upfront or call our service department anytime you feel you need a hand.

#### I have an old laptop. Is this good enough to run the Analysis Application?

You will need a laptop or PC with Windows 7 or later and Excel 2007 or later. If you want to connect both reference and test sensor you'll need two USB 2.0 ports.

For further information to our products and services and our accredited ISO17025 calibration laboratory please see our website at [www.burster.com](http://www.burster.com).



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#### You can get the following versions of the Portable Load Cell Calibration Stand:

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

#### These mechanical parts are available for you:

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

#### You can 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)
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#### You can choose from the following reference measurement chains:

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

#### This is the 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 model 8552 / 8541 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

