



Condor Sigma » Calibration



XYZTEC 1:1 calibration jig

- All XYZTEC sensor modules come fully tested and calibrated
- Each sensor has its own electrical module that stores all of its force and temperature calibration data
- Multiple options for (annual) calibration
- Precision engineered jigs optimized for calweights
- Alternatively, XYZTEC offers calibration by Chatillon (another load cell)
- Simple quick calibration checks
- Built-in GR&R (Gauge Repeatability and Reproducibility) analysis



XYZTEC 1:10 calibration jig

All XYZTEC sensor modules come fully tested and calibrated, ready to use. Each sensor has its own electrical module that stores all of its force and temperature calibration data together with other information like the type of sensor, range, serial number, etcetera.

To ensure accurate measurement results, periodical renewed calibrations are recommended. As customer, you can choose to have a XYZTEC certified engineer visit your facilities to perform the calibration, send the module to your local XYZTEC lab to have it calibrated there, or carry it out yourself. XYZTEC offers calibration kits at very affordable prices.

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Other offices

- Germany
- Taiwan
- Thailand
- United Kingdom
- USA: California
- USA: Massachusetts
- [Distributors](#)

Bond testers

- Condor *Sigma*
- Condor *Sigma Lite*
- Condor *Sigma W12*
- Condor *150HF*

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We also support calibrations using a Chatillon load cell

Calibration method

XYZTEC offers a choice of calibration methods. Our standard and preferred method is to calibrate our sensor modules by using weights and jigs. These have the advantage of maintain their own calibration over very long time periods.

The XYZTEC jigs are manufactured to the highest possible precision and use high quality ball bearings at every pivot and load application point. A simple and intuitive wizard ensures calibrations are done easily and accurately. Alternatively, we offer calibration of our sensors by another load cell, in the form of a Chatillon. All such calibrations can be customized from simple to complex to suit your needs.



1:2 calibration jig fitted next to a large heater workholder. The customer does not need to remove the workholder in order to calibrate the bond tester

The standard jigs are 1:1, 1:2 and 1:10. Jigs can be fitted to the **Condor Sigma** using the quick release system. On more complex systems, the bond tester is often equipped with two quick

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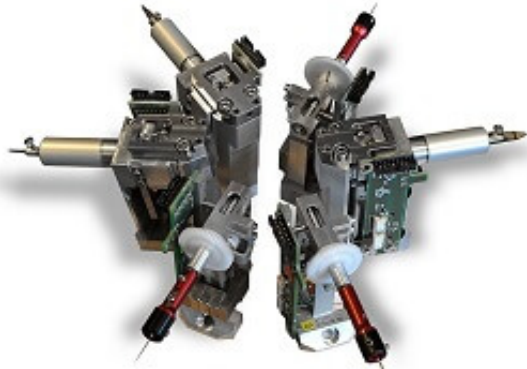
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release stations to make calibration even easier.

GR&R

All XYZTEC systems enable easy qualification of their measurement capability with inbuilt GR&R (Gauge Repeatability and Reproducibility) analysis. Following calibration the accuracy of each sensor can be measured through its full range providing customizable data and reports of bias and distribution over time and other parameters.



Condor Sigma sensors come fully calibrated

Contact us

Did we catch your attention? Please [contact us](#) for more information or to request a demonstration or a quotation.

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