



IRmadillo™

Calibration Service Program

- Keep your IRmadillo's calibration up to date

Calibration for your IRmadillo

When your IRmadillo is first installed, it will need to be calibrated for your process. While your instrument is covered by the Calibration Service Program (CSP), Keit will perform this calibration work, based on samples that you take from your process. The IRmadillo is designed to be a robust and stable instrument, and in many cases the calibration will remain stable as long as your process doesn't vary. However, the calibration may not have captured all the sources of variation in your process, such as:

- Seasonal variation in either feedstock quality or process conditions
- New feedstocks that come online, e.g. a new supplier or a new crop
- A new contaminant that may not affect your process, but that may affect the IRmadillo's readings
- Process optimization, e.g. changes to the type or quantity of a catalyst or enzyme

Any of these things can cause your process to move away from the IRmadillo's calibration, and your IRmadillo's calibration will need to be updated too in order to keep predicting accurately.

Calibration Refinement

Keit's Calibration Service Program covers both the initial modelling work and any refinements that your model needs. Keit's team of calibration experts will review your spectral and reference data and can

- Include process changes in your model
- Validate your IRmadillo's performance

advise you on whether your IRmadillo would benefit from an updated set of models.

To minimize instrument downtime, the calibration updates can be performed remotely while the IRmadillo is installed in the process.

How does it work?

CSP is contracted on an annual basis and can be purchased at any time. CSP will be added to your quote when you first purchase an instrument, and we'll remind you when it's due to expire so you can be sure that your IRmadillo is always covered.

CSP requires your instrument to be covered by Keit's warranty or Maintenance Support Program.

Can I find out more about calibration?

Request Keit's document DOC0930 *How to Calibrate an IRmadillo* which has a full explanation of the calibration process.

How much does it cost?

Please consult Keit for pricing information.

Who do I contact?

Contact Keit to find out more about the benefits of CSP.

+44 (0)1235 431260

enquiries@keit.co.uk

www.keit.co.uk

What's included in CSP?

- First year CSP covers the work to get your IRmadillo calibrated and delivering value.
- Subsequent years of CSP include testing and, if necessary, updating of IRmadillo calibrations to capture previously unseen variation.
- For each calibration update, you will need to provide a number of additional reference samples - usually 30, but the frequency and amount of sampling data are dependent on the process.

Exclusions

CSP is not designed to keep recalibrating the IRmadillo for different processes, applications or installation points. If you intend to move your IRmadillo to a new process or location, please contact Keit for a quote for the required calibration work.

Keit may suggest to delay a calibration model update if data requirements are not met. Please see DOC0926 Offline sampling for IRmadillo calibration for guidelines on obtaining suitable reference samples.

DOC0957 (24 January 2025 11:16)

©2024 Keit Ltd. trading as Keit Industrial Analytics

4 Zephyr Building, Eighth Street, Harwell Campus, Didcot, Oxfordshire, OX11 0RL, United Kingdom

www.keit.co.uk

INDUSTRIAL
ANALYTICS
Measure | Trust | Improve

KEIT