

# For accuracy and precision. The Starlab calibration service.

YOUR PROFESSIONAL CALIBRATION SERVICE FOR PIPETTES,  
BALANCES, TIMERS AND TEMPERATURE DEVICES.



Passionate for science.



# For accuracy and precision you can trust.

Regular maintenance and calibration of the instruments in your lab is key to the success of your results. An accurate and precise pipette will help you provide consistent and reliable results. It can also significantly reduce the risk of having to repeat work, which not only costs your time but also the extra cost of the consumables and reagents needed to repeat experiments.

The same is true for bottle top dispensers, pipette controllers and repeaters, all of which dispense liquids and are crucial items that aid your daily work. Balances, timers and temperature gauges also play a part in your daily lab routines. Inaccuracy at any stage of an experiment can accumulate to have a negative influence on your final results.

Keep your lab instruments in tip-top condition with Starlab's professional calibration service for pipettes, balances, timers and temperature devices.

## WHY CALIBRATE?

Four of the main reasons for having instruments calibrated are:

- Ensure measurements are traceable and comparable with other laboratories
- Determine the accuracy and precision of the instrument
- Establish the reliability of the instrument, so it can be trusted
- Meet the requirements of Quality Management Systems such as ISO9001, ISO13485, ISO15189, ISO17025, or MHRA and 21CFR Part 820

## WHY CALIBRATE WITH STARLAB?

Starlab are liquid handling experts. We design and manufacture our own brand TipOne® pipette tips and ErgoOne® pipettes. What we don't know about pipetting is not worth knowing! We offer:

- A team of fully-trained technicians who are experts in their field
- **UKAS accredited laboratory for Pipette Calibration (4296)** which ensures competent, fully-trained staff and instruments that are calibrated and maintained properly
- Convenience: **mail-in service** or **on-site clinics** available
- A selection of ready-made service options or servicing customised to your requirements
- Excellent customer services that provides pre- and post-sales care and advice

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# Pipette service & calibration: overview.

## FOR ACCURACY TO THE LAST DROP!

Pipettes are one of the most frequently used instruments in the lab and their ability to perform as manufactured is directly linked to how well they are maintained & calibrated. Only a well-maintained and calibrated pipette can give you confidence that the pipette is performing to the accuracy and precision it was designed for.

Starlab has a team of fully trained technicians who can service all brands of pipettes: single and multi-channel, manual and electronic, repeaters, pipette controllers and bottle-top dispensers.

Starlab is a UKAS accredited laboratory (4296), so you can be sure our staff are competent, methods are validated, measurements are metrologically traceable and carried out under strict environmental conditions.

Using Starlab to calibrate your pipettes helps support your compliance with quality systems such as:

- **ISO 9001** Quality Management System
- **ISO 13485** Medical Devices — Quality Management Systems
- **ISO 15189** Medical Laboratories — Requirements for Quality and Competence
- **ISO 17025** General Requirements for the Competence of Testing and Calibration Laboratories
- **MHRA and 21 CFR Part 820** Quality System Regulation



## Excellent customer service

- Replacement parts and servicing is guaranteed<sup>1)</sup> for 6 months
- Customised calibration: you choose the specifications, the number of readings per channel and the test points to suit
- Customised invoicing to suit your institution's requirements (eg. by department, grant code or name)
- No hidden costs! We can, if requested, contact you beforehand if any major parts need replacing
- After care service – we are available at any time with help and advice on any pipetting, quality or specification questions

<sup>1)</sup> Terms and conditions apply.

## UNIQUE CALIBRATION SOFTWARE

CaliStar, Starlab's own service and calibration software incorporates 2D barcoding technology. The 2D barcode is on the calibration label we put onto the pipettes. This enables us to track each pipette from the moment it arrives in our lab or at an on-site clinic, through servicing and calibration, to out the door and beyond.

CaliStar not only tracks the service status of all pipettes for our internal use, it also provides the following benefits:

- Builds a service history of every pipette we process, recording the service level carried out, the spare parts used and the calibration results.
- Provides a full Service Report at the end of each on-site clinic, which details all the pipettes serviced, at what level, and any replacement parts fitted.
- Generates electronic certificates in pdf format for easy storage on your computer. Misplaced a certificate? Simply provide us with the pipette's serial number and the year of calibration and we can supply you with a copy of the certificate.
- Electronic signatures which comply with 21 CFR Part 11 used on all certificates.
- Approval Signatures on our UKAS certificates use the 4-eyed principle with an approver who is independent to the calibrator, making Starlab the only calibration service provider with such a strict approval process.

CaliStar provides accurate, detailed information so we can provide the service history of an individual pipette, what it is costing to maintain and how it is performing. Over time, these reports will allow you to identify any pipettes requiring frequent and/or expensive repairs. We can also provide you with a list of pipettes belonging to a lab, group or an institution for your asset management purposes.

# Decontamination.



## IMPORTANT!

**ALL pipettes for calibration MUST be safe to handle and accompanied by a completed Decontamination Declaration** so we know they are safe for us to work on. The return of your pipette will be delayed if we do not receive this form with your pipette.

Please complete ALL sections of the form. We can not service or calibrate a pipette without a completed and signed declaration. Please also ensure all pipettes are completely dry before packing them up to mail in to our laboratory or before presenting to the technician at an on-site clinic.

Please use the following form if you are using the Mail-In Service for a UKAS Calibration:

Starlab recommends using **Chemgene®** or **Distel®** to decontaminate your pipettes.

**NOTE:** The decontamination procedure is intended as a guide only. All pipettes must be decontaminated according to your institution's own guidelines and the type of contaminant present.

# Mail-in service.

## BENEFITS OF MAIL-IN SERVICE

The mail-in service is available for all levels of servicing - standard, UKAS Calibrations and bespoke servicing.

- Convenient service, as and when you need it
- Quick turnaround

## HOW TO MAIL-IN YOUR PIPETTES, TIMERS & TEMPERATURE DEVICES

- 1 Decontaminate your pipettes, timers and temperature devices
- 2 Complete and sign a Decontamination Declaration.  
A Purchase Order No. must be included (to reduce any delay)
- 3 Package your pipette securely to avoid damage during transit, and don't forget to include the completed Decontamination Declaration!  
Please ensure your pipettes are completely dry before packing for mail-in.
- 4 When the pipette arrives at our lab we will send you a confirmation by email
- 5 Your pipette will be returned via courier free of charge (min. quantity applies)

Mail-in contact: [servicecentre@starlab.co.uk](mailto:servicecentre@starlab.co.uk) / 01908 283810

**NOTE:** Should a total cost be required to raise a Purchase Order, we recommend adding 10% to the total cost per pipette to allow for any spare parts which may be required.



OUR MAIL-IN BOX IS DESIGNED TO PROTECT YOUR PIPETTES DURING TRANSIT TO - FROM OUR LABORATORY. NOT ONLY CAN IT BE REUSED AGAIN AND AGAIN, IT ALSO CONTAINS RECYCLED MATERIALS.

## Need your pipettes back ASAP?

**Upgrade to a FastTrack mail-in service!**

### FastTrack 48

FastTrack48 guarantees a 48 hour turnaround from the date of receipt. Please note an additional charge will apply. For 25 or more pipettes requiring this service, please contact us in advance.



**Timers and temperature devices can also be mailed in, and we will calibrate them at the same time as we calibrate your pipettes**

**Remember to enclose a completed decontamination form!**



[starlab.click/decontamination](https://starlab.click/decontamination)

# On-site service.

## BENEFITS OF ON-SITE SERVICE

On-site servicing is available UK-wide, for all levels of servicing - standard, UKAS Calibrations and bespoke servicing. Let us come to you, and minimise the “down-time” for your pipettes.

- Pre-clinic consultation to ensure everything runs smoothly.
- Each clinic is tailored to suit individual requirements.
- Clinic scheduling service available for large clinics.
- Certificates provided electronically at the end of clinic.
- Service report and technical report can be provided (daily, weekly or at end, depending on clinic length) listing all pipettes serviced by serial number, the service level carried out, and fitted parts.
- Clinic debrief and post-clinic consultation to ensure service satisfaction.
- We can provide a Decontamination Declarations template, and if needed, marketing material to help promote the clinic, as well as info on decontamination procedures.

## TO ORGANISE AN ON-SITE CLINIC

Contact your Starlab Account Manager or the Starlab service centre to discuss your requirements.

On-site and general contact: **service@starlab.co.uk / 01908 283800**

**NOTE:** Minimum number of pipettes applies. Day rate also available.

Should a total cost be required to raise a Purchase Order, we recommend adding 10% to the total cost per pipette to allow for any spare parts which may be required.

## REQUIREMENTS FOR ON-SITE CLINICS

Our technicians will bring along all the necessary equipment for servicing. However, there are stringent requirements that must be adhered to for the room or area where the on-site clinic will be taking place. It must:

- Have a stable temperature with no large temperature fluctuations. Requirements are as follows: **17 – 25 °C for standard calibrations / 21 (± 3 °C) for UKAS calibrations**
- Be draught-free. Draughts can cause balance instability (eg. calibration performed directly under an air conditioning unit or near a door)
- Not be a thoroughfare. If people are continually walking behind or close to the technician this can cause balance instability
- Have a stable, vibration-free bench for us to work on. Vibrations cause balance instability
- Have at least **2 m of bench space** with leg space underneath for us to work on (this varies, depending on numbers etc, we will discuss this prior to the clinic)
- Not be carpeted. Carpet can cause static and balance instability
- Have a solid floor (eg. a mezzanine may not be suitable) as vibrations carry to the bench and cause balance instability



Timers and temperature devices can also be calibrated at the same time as we calibrate your pipettes



# Standard service and calibration.

## ALL MAKES! ALL MODELS!

- Same price for manual or electronic pipettes
- Calibration on ALL tip cones on multi-channel pipettes, as standard
- Quick turnaround time for our mail-in service
- A day-rate is available, if you have a low number of pipettes for an on-site clinic

## Service and calibration

	1-STAR SERVICE	2-STAR SERVICE	2-STAR PLUS SERVICE <span>NEW!</span>	3-STAR SERVICE <sup>1)</sup>
Pipette dismantled, cleaned internally, inspected and leak tested	☑	☑	☑	☑
Worn parts replaced, if necessary <sup>2)</sup>	☑	☑	☑	☑
Outside of pipette cleaned (if selected)	optional	optional	☑	optional
Volume at which calibration is carried out against the manufacturer's, ISO8655 or customer's own specification	mid. volume	min. & max. volumes	min. & max volumes	min., mid. & max volumes
Number of readings taken at mid. point	4 readings	3 readings	4 readings	4 readings
All tip cones on multi-channel pipettes are tested individually <sup>3)</sup>	☑	☑	☑	☑
If necessary, your pipette will be adjusted to meet the required specification	☑	☑	☑	☑
Calibration sticker, including due date (if defined)	☑	☑	☑	☑
Certificate of Calibration detailing the results and any parts fitted	☑	☑	☑	☑

<sup>1)</sup> 3-Star conforms to the requirements of ISO8655-7:2022. Alternative measurement procedures for the determination of volume.

<sup>2)</sup> Please note, worn parts will only be replaced if required to the value of £40 or an increased amount agreed upon.

<sup>3)</sup> On multi-channels, two readings are taken on EVERY channel at the appropriate number of points for the service level. If required, four readings will be taken on EVERY channel to comply with ISO8655-7:2022.



Can't find the service to match your requirements?  
See page 13 for our **bespoke service**.



## As Found calibration

Provides a check of the current performance of your pipette, enabling you to validate previous work performed using the pipette. No adjustment or servicing is performed; this is purely a statement of how the pipette is performing.

	1-STAR SERVICE	2-STAR SERVICE	2-STAR PLUS SERVICE	3-STAR SERVICE <sup>1)</sup>
Volume at which calibration is carried out against the manufacturer's, ISO8655 or customer's own specification	mid. volume	min. & max. volumes	min. & max volumes	min., mid. & max volumes
Number of readings taken at mid. point to determine accuracy and precision	4 readings	3 readings	4 readings	4 readings
Calibration sticker, including due date (if defined)	☑	☑	☑	☑
Certificate of Calibration provided for each pipette, showing pass or fail based on the target specification	☑	☑	☑	☑

<sup>1)</sup> 3-Star conforms to the requirements of ISO8655-7:2022. Alternative measurement procedures for the determination of volume.

## Pre and Post

Comprises an As Found calibration (as above) followed by a Service and calibration (page 8).

## Pipette Controller Servicing

### PIPETTE CONTROLLER

- ☑ Pipette dismantled, cleaned and inspected
- ☑ Reassembled and leak tested
- ☑ Worn parts are replaced, if necessary
- ☑ Pipette externally cleaned
- ☑ Certificate of Confirmation that the controller has been serviced, tested and is not leaking

### CLICK THE LINK

For ordering information and pricing.

[starlab.click/pipetteservice](https://starlab.click/pipetteservice)



### How to organise Pipette Calibration?

Starlab offers calibrations via our **mail-in** service or we can come to you for an **on-site** clinic. See page 6–7 for more details.

# UKAS calibration.

As a **UKAS accredited laboratory (4296)** you can be sure that our staff are competent and fully trained, that our instruments are well maintained and calibrated, and that all calibration is carried out in controlled conditions. For UKAS Calibrations we use certified 5-place, 6-place and SpeedCal multichannel balances. UKAS is an internationally recognised accreditation body and UKAS accreditation ensures full metrological traceability of data.



## As Found UKAS calibration

Provides a check of the current performance of your pipette, enabling you to validate previous work performed using the pipette. No adjustment or servicing is performed and an separate As Found calibration certificate is provided.

	10 READINGS AT 3 VOLUMES	10 READINGS AT 2 VOLUMES	10 READINGS AT 1 VOLUME	5 READINGS AT 3 VOLUMES <sup>1)</sup>	5 READINGS AT 2 VOLUMES <sup>1)</sup>	5 READINGS AT 1 VOLUME <sup>1)</sup>
Volume at which your pipette will be checked against the requested specification (manufacturer's, ISO8655 or your own)	min., mid. & max volumes	min. & max. volumes	fixed volume	min., mid. & max volumes	min. & max. volumes	fixed volume
Number of readings taken at each volume to determine accuracy and precision	10 readings	10 readings	10 readings	5 readings	5 readings	5 readings
Calibration sticker, including due date (if defined)	☑	☑	☑	☑	☑	☑
Certificate of Calibration provided for each pipette	☑	☑	☑	☑	☑	☑
If your pipette is not within the target specification, we can perform a Service & As Returned UKAS Calibration (if requested beforehand)	☑	☑	☑	☑	☑	☑

<sup>1)</sup>**IMPORTANT:** By selecting 5 readings per volume it is with the understanding that it will NOT permit a conclusion on conformity with ISO8655-6 as the minimum requirement for conformity is 10 readings.

## Service and UKAS calibration

	10 READINGS AT 3 VOLUMES	10 READINGS AT 2 VOLUMES	10 READINGS AT 1 VOLUME	5 READINGS AT 3 VOLUMES <sup>1)</sup>	5 READINGS AT 2 VOLUMES <sup>1)</sup>	5 READINGS AT 1 VOLUME <sup>1)</sup>
Pipette dismantled, cleaned internally, inspected and leak tested	☑	☑	☑	☑	☑	☑
Worn parts replaced, if necessary <sup>2)</sup>	☑	☑	☑	☑	☑	☑
Outside of pipette cleaned	☑	☑	☑	☑	☑	☑
Volume at which your pipette will be checked against the requested specification (manufacturer's, ISO8655 or your own)	min., mid. & max volumes	min. & max. volumes	fixed volume	min., mid. & max volumes	min. & max. volumes	fixed volume
Number of readings taken at each volume to determine accuracy and precision	10 readings	10 readings	10 readings	5 readings	5 readings	5 readings
If necessary, your pipette will be adjusted to meet the required specification	☑	☑	☑	☑	☑	☑
Calibration sticker, including due date (if defined)	☑	☑	☑	☑	☑	☑
Certificate of Calibration provided for each pipette, showing the results and any spare parts fitted	☑	☑	☑	☑	☑	☑

<sup>1)</sup>**IMPORTANT:** By selecting 5 readings per volume it is with the understanding that it will NOT permit a conclusion on conformity with ISO8655-6 as the minimum requirement for conformity is 10 readings.

<sup>2)</sup> Please note, worn parts will only be replaced if required to the value of £40 or an increased amount agreed upon.

### CLICK THE LINK

For ordering  
information  
and pricing.

[starlab.click/ukas-calibration](https://starlab.click/ukas-calibration)

### How to organise a UKAS Calibration?

Starlab offers UKAS calibrations via our **mail-in** service or we can come to you for an **on-site** clinic. See pages 6–7 for more details.



## UKAS pre & post calibration

Comprises an As Found calibration followed by a Service and UKAS calibration.

	10 READINGS AT 3 VOLUMES	10 READINGS AT 2 VOLUMES	10 READINGS AT 1 VOLUME	5 READINGS AT 3 VOLUMES <sup>1)</sup>	5 READINGS AT 2 VOLUMES <sup>1)</sup>	5 READINGS AT 1 VOLUME <sup>1)</sup>
<b>AS FOUND CALIBRATION</b>						
Volume at which your pipette will be checked against the requested specification (manufacturer's, ISO8655 or your own)	min., mid. & max volumes	min. & max. volumes	fixed volume	min., mid. & max volumes	min. & max. volumes	fixed volume
Number of readings taken at each volume to determine accuracy and precision	10 readings	10 readings	10 readings	5 readings	5 readings	5 readings
Certificate of As Found Calibration provided for each pipette	☑	☑	☑	☑	☑	☑
<b>SERVICE</b>						
Pipette dismantled, cleaned internally, inspected and leak tested	☑	☑	☑	☑	☑	☑
Worn parts replaced, if necessary <sup>2)</sup>	☑	☑	☑	☑	☑	☑
Outside of pipette cleaned	☑	☑	☑	☑	☑	☑
<b>AS LEFT CALIBRATION</b>						
Volume at which your pipette will be checked against the requested specification (manufacturer's, ISO8655 or your own)	min., mid. & max volumes	min. & max. volumes	fixed volume	min., mid. & max volumes	min. & max. volumes	fixed volume
Number of readings taken at each volume to determine accuracy and precision	10 readings	10 readings	10 readings	5 readings	5 readings	5 readings
If necessary, your pipette will be adjusted to meet the required specification	☑	☑	☑	☑	☑	☑
Calibration sticker, including due date (if defined)	☑	☑	☑	☑	☑	☑
Certificate of Calibration provided for each pipette, showing the results and any spare parts fitted	☑	☑	☑	☑	☑	☑

<sup>1)</sup>**IMPORTANT:** By selecting 5 readings per volume it is with the understanding that it will NOT permit a conclusion on conformity with ISO8655-6:2022 as the minimum requirement for conformity is 10 readings.

<sup>2)</sup> Please note, worn parts will only be replaced if required to the value of £40 or an increased amount agreed upon.

# Bespoke service.

We can service and calibrate pipettes to your exact requirements. Our standard 1, 2 or 3-STAR servicing levels not what you need? **No problem!**

The only thing to remember is that if you wish to conform to one of the ISO8655 parts then the options are limited as these have specific requirements. For example, **ISO8655-6** requires 10 readings at 3 volumes to conform, and **ISO8655-7** requires 4 readings at 3 volumes to conform.

However, if conformity to ISO8655 is not a requirement, then you can choose the number of readings per volume and the number of volumes you need. Our bespoke software enables us to adapt to meet your requirements, so if your procedures say 6 readings at 2 volumes then we can meet this requirement.

We also have the ability to adapt the specification and calibrate to either the manufacturer's, ISO8655 or requirements specific to your institution. Just let us know exactly what you need, and we'll give you a competitive quote. There are positives and negatives associated with the selection of specifications, below are some items to consider when deciding. To discuss your requirements please contact your Account Manager.

MANUFACTURER	ISO8655	YOUR OWN
✓ The tightest specification available.	✓ Consistent irrespective of the manufacturer.	✓ Meets your specific requirements.
! Possible increase in number of "As Found" calibration failures.	! Large specification at the lower range.	! May require some kind of validation or justification to determine spec.
! Differs from manufacturer to manufacturer	! Very large specifications for multi-channel.	– Own spec cannot be tighter than the manufacturer's.

# Pipette training sessions.

## WHY IS TRAINING IMPORTANT?

Quality systems such as ISO9001, ISO15189, ISO13485 have requirements for qualifications, training and competence. This is particularly important with pipettes because the pipetting technique used, as well as their handling, storage and maintenance, can have a major impact on the continued accuracy and precision of the pipette.

Each course includes in-depth training, course handouts and a practical pipetting session.

## BENEFITS OF ATTENDING A COURSE

- Courses held at your own premises, at a convenient time for you. No travelling required!
- Developed by liquid handling specialists who are experts in the field
- Find confidence that your daily work is providing accurate results from developing a deeper understanding of pipetting
- Gain a better understanding of specifications and intervals of calibration



### Pipetting Masterclass (Art No. C0001-2000)

Ideal for lab technicians, scientific officers and laboratory managers. Max. 10 people per session:

- Good pipetting techniques
- Functionality of a pipette
- Forward and reverse pipetting
- Physical influences on dispensed volume
- Pipette ergonomics and general Physio Care concepts including RSI
- Cleaning and inspection of pipettes
- Common pipette fault-finding issues
- Demonstration of the effects that bad pipetting techniques can have on assays and results
- Basic performance / calibration check of a pipette
- Understanding the equipment needed for accurate calibration checks
- Understanding the terms 'Accuracy', 'Precision' and 'Uncertainty' to be able to interpret the results of a calibration certificate
- Practical, to support the key learning objectives

### Calibration for Conformity (Art No. C0001-3000)

Designed for lab technicians, lab managers and quality personnel. Max. 10 people per session:

- Overview of the fundamentals of dispensing
- Why calibrate?
- What calibration is
- Performance / calibration check of pipettes
- Specifications: manufacturer's vs ISO vs customer defined
- Calibration intervals
- ISO17025 – UKAS
- ISO15189 – Medical Labs (UKAS / CPA)
- Calibration traceability
- Expressions of uncertainty
- Assessment of risk and audit readiness
- Conformity statements and decision rules

### Bespoke Training Sessions

We understand that training needs may vary for each lab, that's why we offer bespoke training sessions.

Our training sessions can be tailored to meet your specific requirements to focus on what matters most to you. Contact us to discuss your requirements and be confident that your team will receive the training they need.

### CPD ACCREDITED

Gain your CPD points with Starlab training.

Each training level gives you CPD points helping you keep track of your learning progression from year to year. Starlab Training sessions help you with your Continuing Professional Development obligation to your professional body or association.

**Pipetting Masterclass course – 3 points**

**Calibration for Conformity course – 3 points**

[cpduk.co.uk/about](http://cpduk.co.uk/about)

**CLICK THE LINK TO  
FIND OUT MORE  
ABOUT CPD POINTS**

## How to book your training session?



Contact your Starlab Account Manager or Service Coordinator to discuss your requirements and book a convenient date. Just give us a call on **01908 283800** or email at **service@starlab.co.uk**.



# Timer & stopwatch calibration.

## ENSURE YOUR TIMER IS NOT RUNNING LATE!

Timing is essential in all of your daily timing experimental protocols. It's important then to ensure you use a calibrated tool that's always on time and never runs late.

### Mail-In exclusive

You can mail-in your Timers and Stopwatches to be calibrated to traceable standards that will support your quality and regulatory requirements such as GxP and ISO.

## TIMING IS EVERYTHING

Timer/Clock with a large easy to read LED display. There are four channels on which cycles can be independently or simultaneously set. You can easily toggle between your pre-set channels and the clock in order to keep on top of your experiments, or to know when it's lunch!



### Need a calibrated timer?

To receive a pre-calibrated Timer: Calibration of Timer (C0003-0000) must be ordered at the same time as Timer (N9900-0001), on the same Purchase Order No. We will then know to calibrate the Timer prior to shipping, and send it with a Certificate of Calibration. Need a calibrated Timer? Starlab supplies pre-calibrated Four-Channel Timers.



DESCRIPTION	ART NO.
Four Channel Timer / Clock	N9900-0001
Mail-In: Timer / Stopwatch Calibration	C0003-0000

# Temperature device calibration.

## Mail-In service

Temperature can be a critical factor affecting your work in your lab. If you have to measure temperature in your lab using a temperature probe, be it a PRT or Thermocouple, then you would typically require the device to be calibrated.

Starlab offers different levels of calibration from a single point up to as many as you require.

- A single-point calibration
- A 3-point calibration
- Bespoke Multi-point calibrations

## Temperature range of -45 °C to 140 °C<sup>(1)</sup>

Starlab uses an ISOTECH Dry Block and Liquid Bath which has a stability of  $\pm 0.01$  °C in conjunction with an ISOTECH milliK Precision Thermometer with accuracies  $< \pm 7$ ppm (0.07mK) for PRTs,  $\pm 0.14$  °C for Thermocouples.

<sup>(1)</sup> In ambient of 20 °C: Minimum Temperature is 55 °C Below Ambient, Absolute Minimum -45 °C



## WE'RE HERE TO HELP!

Speak to your account manager or contact [Service@starlab.co.uk](mailto:Service@starlab.co.uk) / **01908 283800** to talk about your temperature calibration requirements.

# Balance calibration check.

Starlab offers on-site calibration of a **laboratory balance** up to a maximum capacity of 10 kg.

Our metrologically traceable calibrations will enable you to comply with:

- General requirements of ISO17025
- ISO15189
- ISO13485

**As Found Calibrations check** can be performed over the entire range of the balance (max. capacity 10 kg) or to a range specified by you. Each calibration will consist of:

- A repeatability, linearity and eccentricity
- A calculation of the measurement uncertainty
- Either a 5 or 10 point check for each range of the balance
- Certificate of Calibration (pdf) for each balance



## BALANCE CALIBRATION CHECK

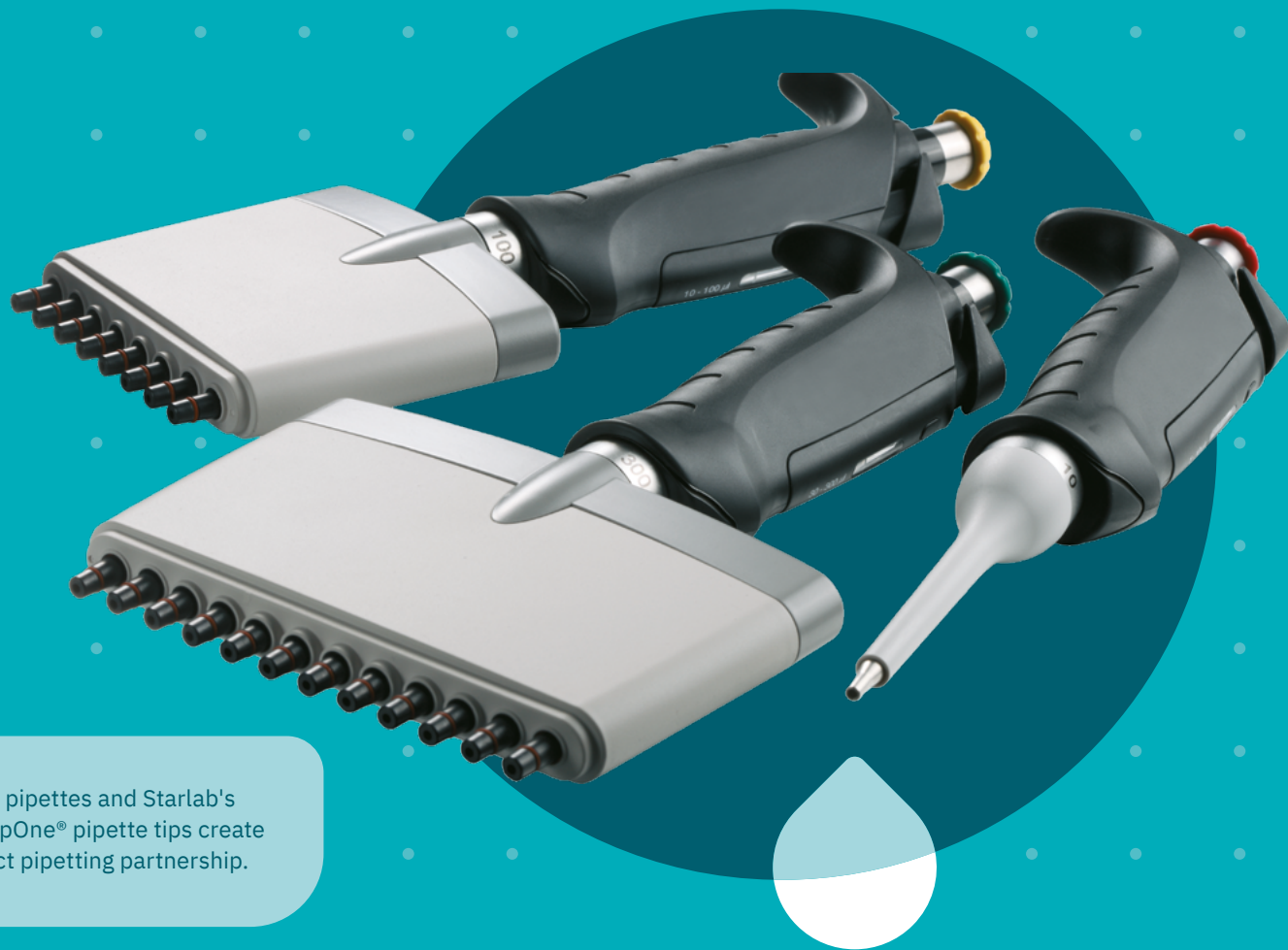
On-Site 5 Point Balance Check	C0002-0500
On-Site 10 Point Balance Check	C0002-1000

Calibrations can be performed over the entire range of the balance (max. capacity 10 kg) or to a range specified by you.

\*If As Found Calibration check result in balance being out of spec, the unit will have to be referred back to the manufacturers.

# ErgoOne<sup>®</sup> pipettes.

## The perfect companions.



ErgoOne<sup>®</sup> pipettes and Starlab's trusted TipOne<sup>®</sup> pipette tips create the perfect pipetting partnership.

### Do you need your new pipette supplied with a UKAS Certification?

We can supply any new ErgoOne<sup>®</sup> pipette purchased from us (manual or electronic) with a UKAS Certificate of Calibration. Simply order the calibration at the same time as ordering your new pipette by using the appropriate code below for the type of pipette you're ordering. Starlab will perform a 3.10 As Found UKAS Calibration on the pipette prior to shipping, and enclose the Calibration Certificate with your pipette.

#### 3.10 UKAS CALIBRATION ON PURCHASED PIPETTE

No. of channels	Art. No.
Single-Channel	C8134-1001
8-Channel	C8234-1001
12-Channel	C8334-1001

**NOTE:** By selecting one of the above UKAS part numbers you are agreeing to a **3 Volume, 10 Reading Calibration** to manufacturer's specifications.



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**FOR ACCURACY AND PRECISION.  
THE STARLAB CALIBRATION SERVICE.**

Our team of fully-trained technicians can service all brands of pipettes. Starlab is a UKAS accredited laboratory (4296) for volume, so you can be sure our staff are competent and fully-trained, that our instruments are calibrated and properly maintained, and our work is carried out in the controlled conditions.

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