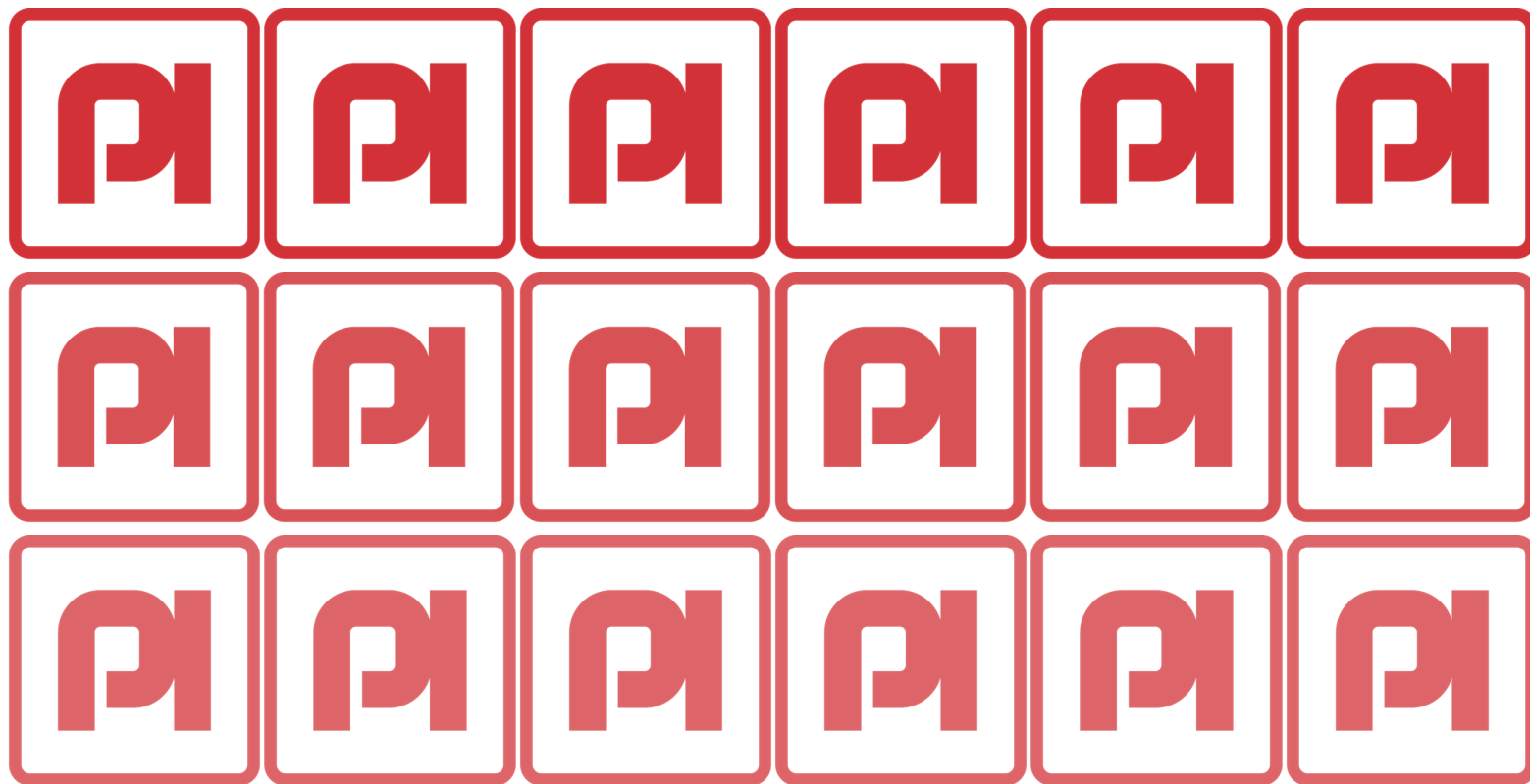


A photograph of a male worker in profile, wearing a white hard hat with a headlamp, safety glasses, and an orange high-visibility long-sleeved shirt with reflective silver stripes. He is focused on working on a complex piece of industrial machinery, possibly a control panel or a sensor assembly, which includes various wires, pipes, and a yellow component. The background is dark and industrial. The image is overlaid with a dark blue rounded rectangle in the top left and a dark blue rounded rectangle in the bottom left, both containing white text. A red diagonal shape is also present in the bottom left corner.

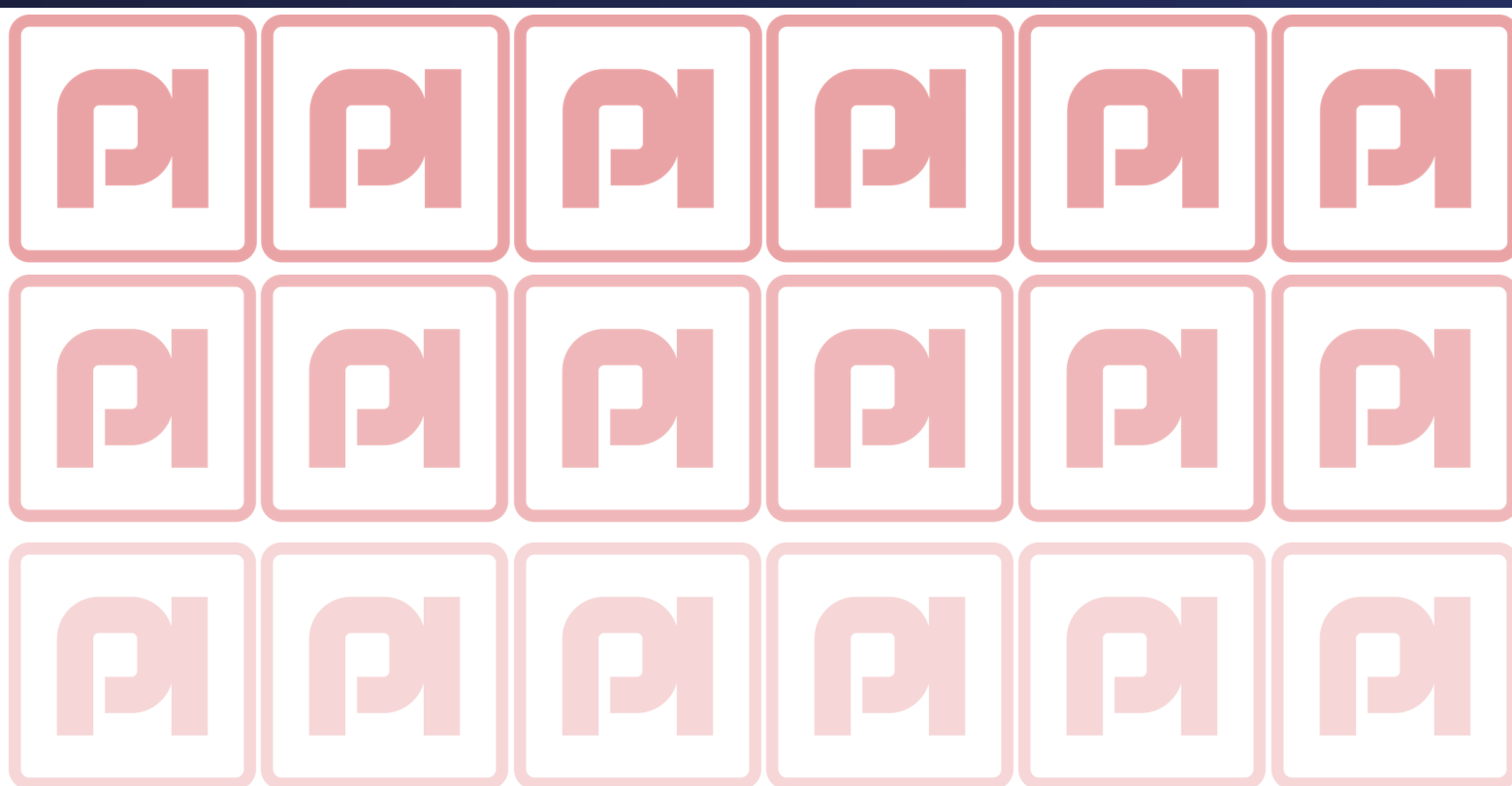
IMPORTANCE OF ANNUAL CALIBRATION FOR ACCURATE MEASUREMENT



**PROCESS
INSTRUMENT
SOLUTIONS**



UNPARALLELED SERVICES & SOLUTIONS



ENSURING PRECISION WITH ANNUAL CALIBRATION

THE KEY TO ACCURATE MEASUREMENT

In today's fast-paced industries, precision is everything. Whether you're working in manufacturing, pharmaceuticals, energy, or any other field that relies on accurate measurement, ensuring the reliability of your instruments is critical. At Process Instrument Services, we understand the importance of maintaining accuracy, and that's why we advocate for annual calibration as a cornerstone of your operational excellence.



WHY ANNUAL CALIBRATION MATTERS

MAINTAINING ACCURACY

Over time, even the most advanced instruments can drift from their original calibration. Environmental factors, regular use, and aging components can all contribute to small inaccuracies. Annual calibration ensures that your instruments are restored to their precise specifications, providing reliable and accurate measurements.

COMPLIANCE WITH STANDARDS

Many industries are governed by stringent regulations that require regular calibration of measurement instruments. Annual calibration helps you stay compliant with industry standards such as ISO, FDA, and other regulatory requirements, avoiding costly penalties and ensuring that your products meet quality benchmarks.

WHY ANNUAL CALIBRATION MATTERS

OPTIMISING PERFORMANCE

Accurate instruments lead to more efficient processes. Whether you're controlling temperature, pressure, flow, or other critical parameters, properly calibrated instruments ensure that your systems are operating at peak performance. This can lead to reduced waste, lower energy consumption, and ultimately, cost savings.

RISK MANAGEMENT

Inaccurate measurements can result in product defects, process inefficiencies, or even safety hazards. Regular calibration reduces the risk of errors that can lead to product recalls, equipment damage, or workplace accidents, safeguarding both your employees and your bottom line.

EXTENDING INSTRUMENT LIFESPAN

Instruments that are regularly calibrated and maintained tend to have a longer service life. Annual calibration allows for early detection of wear and tear, enabling timely repairs or replacements before minor issues become major problems.

SUPPORTING CONTINUOUS IMPROVEMENT

Annual calibration provides valuable insights, helping you fine-tune processes, enhance precision, and drive continuous innovation, keeping you ahead of the competition. It also fosters a proactive approach to quality, ensuring your products consistently meet the highest standards.

WHY CHOOSE US?



EXPERTISE

Our team's extensive knowledge and experience in C&I, combined with ongoing specialized training, ensures we deliver high-quality services that exceed industry standards.

FLEXIBILITY

We offer scalable services tailored to the unique needs of small to medium-sized projects, ensuring that our clients receive the right level of support.

COMMITMENT TO QUALITY

Our fully equipped workshop and stringent calibration processes ensure that all services provided meet the highest levels of accuracy and reliability.

COMPREHENSIVE SOLUTIONS

From calibration to complete process solutions, our service offering covers all aspects of control and instrumentation, providing clients with a one-stop-shop.

THE CALIBRATION PROCESS

1. INITIAL ASSESSMENT

The calibration process begins with a thorough inspection of the instrument. Our technicians check for any visible signs of wear, damage, or malfunction that could affect the calibration results. We also review the instrument's history, including previous calibration data and any reported issues, to better understand its current condition.



2. PRE-CALIBRATION TESTING

Before making any adjustments, we conduct a series of pre-calibration tests to determine the instrument's current performance. This involves comparing the instrument's readings against a known standard or reference to identify any deviations from expected accuracy.

3. CALIBRATION ADJUSTMENT

Based on the pre-calibration results, our technicians make precise adjustments to the instrument. We use highly accurate reference standards that are traceable to national or international measurement standards, ensuring that all adjustments meet rigorous accuracy requirements. The instrument is calibrated to bring its readings back into alignment with the established standards.

4. POST-CALIBRATION VERIFICATION

After calibration adjustments, we perform a series of verification tests to ensure that the instrument now meets the desired specifications. These tests confirm that the instrument is functioning within the acceptable tolerance levels and that it will provide accurate and reliable measurements in the field.



5. DOCUMENTATION AND CERTIFICATION

Once the calibration is complete, we generate a detailed calibration report. This document includes all relevant data, such as the instrument's pre- and post-calibration performance, the reference standards used, and any adjustments made. We also provide a calibration certificate that verifies the instrument has been calibrated according to industry standards and is compliant with regulations.

6. FINAL REVIEW AND RETURN



Finally, the calibrated instrument undergoes a final review to ensure that it is fully operational and ready for use. We carefully package the instrument and return it to you along with all calibration documentation. For on-site calibrations, we ensure minimal disruption to your operations, allowing you to resume normal activities as quickly as possible.



7. ONGOING SUPPORT

Our commitment to your instrument's performance doesn't end with calibration. We offer ongoing support, including reminders for future calibrations and expert advice on maintaining your instruments in peak condition. Our goal is to help you achieve long-term accuracy and reliability in all your measurement processes.



PI have been a fantastic company to work with and we've been thoroughly impressed with their technical knowledge and ability to adapt on site.

Their customer service was excellent and I felt that all times during our project they were engaged and quick to respond. I will be approaching them first with any instrument and monitoring needs and look forward to an opportunity to work with them again in the future.



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