Explanation on choice item for PreciseCal Services, Inc. Quote form.

BOX 1: Calibration type of service required. (It might help to first check out documents under Calibration FAQ that defines NIST Traceability, ISO/IEC Calibrations and our favorite, Uncertainty: What the heck is that and how is it applied?)

1. Standard-
    a. NIST Traceable (no data) – This is the minimal and least expensive type of calibration that provides you with a NIST Traceable certificate. It allows your tools to be calibrated without reporting of any data. NOTE: By ISO requirement, if we detect an out of tolerance on any portion of the calibration, we are still required to report our findings regarding the out of tolerance. Example: If you request a Standard-NIST Traceable calibration on a multimeter we will provide a certificate that says your unit either passed (with no data), or did not pass (with the specific test points that did not pass and associated data). This allows customer to do an impact analysis on the failed points to see how it may have impacted your products. Please NOTE, if you choose this option, we will NOT retain data if by chance you should decide later that you need it. Please be sure if you select this option that you understand we cannot provide data later without recalibrating your tool.
    b. NIST Traceable (with data) – NIST Traceable calibration with all data points documented and provided on the certificate. This is typically a little more expensive than the no data option.
    c. ISO 17025 Accredited – This provides NIST Traceable calibration with both data and uncertainty values reported. The new 17025:2017 Standard allows for selection as to how Uncertainty will be accounted for during the calibrations.
        i. Binary Statement-Simple Acceptance: The uncertainty is calculated but does NOT factor for Pass/Fail determinations.
        ii. Binary Statement with Guard Band: The uncertainty amount is basically subtracted from your allowed tolerance to ensure your reading stays within tolerance with uncertainty accounted for. Example: A pressure gage may have a tolerance of ±2 psi. If the lab's uncertainty is 0.5 psi then your gage will be found within tolerance if the reading is within ±1.5 psi (tighter tolerance to account for uncertainty).
        iii. Non-Binary Statement with guard band: same as ii above except that instead of a hard Pass/Fail if the reading enters the uncertainty zone i.e., a reading of 1.7 psi in example stated you instead get a conditional pass and a conditional fail. This lets you know the reading is still within specifications with tolerance but COULD be out when uncertainty is

factored in. This lets the customer decided whether they wish to continue using the equipment as is.

The default selection is Binary Statement-simple acceptance.

BOX 2: Calibration Interval. By ISO Standard, the calibration lab is not allowed to recommend any interval to the customer. You can actually receive a certificate that has no due date. This was not the case under previous editions. We have handled this by providing you with options that cover all aspects.

1. No Calibration Interval – This is per ISO/IEC 17025:2017. We will not state any calibration due date on the certificate. This requires as an organization for you to decide internally on when and how often you wish to calibrate your tools. Please note, if you select this option, we will NOT be able to provide you with automatic rescheduling notices of your tools since those notices are based on due dates.
2. One (1) year interval – Default interval applied to your tools unless you indicate otherwise.
3. As noted on previous calibration sticker – Easy button for customer. Tells us to just keep whatever we found on the previous sticker on the tool. Please note for this to work there must be a sticker on the tool, and it must be legible for us to proceed. If not, there could be some delays as we confirm with you what you wish.
4. As noted on the Purchase Order – We will follow directions on the purchase order. Please make sure your accounting department has an entry for this if you opt for the PO to be the governing document.

BOX 3: This is YOUR box to give us any guidance, special instructions, do's, and don'ts for your tools. Examples of some instructions: Please make all end of month due dates. Please do not place stickers on tool, attach to calibration certificate. Please call when tools are ready to arrange for pickup. It is your box, go crazy!

BOX 4: Please peek in this box to see if we have any instructions for you! This may be things that came to light during communications that we want to remind you of. Examples: Please send in all cables with your hipot tester. Please clean all oxygen only gages per standard.

BOX 5: Please enter your PO number in this field and the date. As the NOTE says, we will not start working on your tools until PO received. We are firm on that.

BOX 6: Your signature accepting all the above. Please print your name. Please ONLY sign if you are authorized by your company to enter into agreements with vendors.

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