

Standard Calibration Criteria – Force Offerings

- ✓ The Force Laboratory is UKAS accredited to BS EN ISO 17025:2017 for the following:
 - Calibration of load cell in Line with BS EN ISO 376:2011
 - Calibration of load cell in Line with ASTM E74-18e1
 - Calibration of load cell in line with Avery Weigh-Tronix internal procedure AP-16-1203
- ✓ A Purchase Order must be raised prior to dispatching equipment to the laboratory. All equipment must be clearly marked, referencing both the Purchase Order number and the Avery Weigh-Tronix quotation number.
- ✓ Details of the load cell fitting sizes (thread diameters, pitches, etc), must be provided at the enquiry stage. The laboratory holds a stock of standard and specialist fittings / adaptors to allow most common cells to be fitted to the machines. Should adaptors not be available for a particular load cell, we are able to arrange for the manufacture of these. We will inform the customer of this and highlight the timescales and additional costs in the quotation.
- ✓ Unless otherwise advised, all quotations are for standard single-bridge load cells. Dual bridge and other non-standard cells / systems will be quoted for on a case-by-case basis. It is the customer's responsibility to highlight any non-standard equipment or special test requirements at the enquiry stage.
- ✓ In the compression tests, where applicable, compression fittings supplied by customers will be used. If these compression fittings are not deemed suitable then suitable fittings, supplied by this laboratory, will be used. In the tension tests shackles and adaptors provided by this laboratory will be used.
- ✓ If indicators or other equipment require non-standard setup, full instructions must be provided by the customer, and additional charges may be incurred.
- ✓ All equipment is to be shipped to the laboratory at the expense of the customer prior to the arranged calibration date.
- ✓ Equipment must be in full working order prior to calibration by the laboratory, with batteries fully charged and in good condition where appropriate. Any equipment that does not meet these criteria will be returned at the customer's expense, as unfortunately we are unable to carry out repairs.
- ✓ Full connection details must be supplied with the equipment, where this is not obvious. Any special cables and connectors must be provided by the customer. Where standalone load cells are to be calibrated using our indicators, we require the provision of wire ends compatible with standard 4mm binding post terminations.
- ✓ Suitable transit packaging must be provided for the return of equipment.
- ✓ The laboratory takes all precautions to prevent damage to customer equipment, but please note that certain devices, particularly Proving Rings, are occasionally prone to sudden catastrophic failure within their rated capacity.
- ✓ All calibration results will be "as found" unless adjustment is requested in writing by the customer.
- ✓ Calibration units will be in kN, kgf or lbf. Unless specified by the customer.

- ✓ Where adjustment is required, either full instructions must be provided, or a representative from the customer must be made available to carry out the adjustment at the laboratory.
- ✓ Calibration certificates will be in an electronic format. It will be digitally signed and emailed to the customer shortly after the completion of the calibration. If particular timescales are required for the provision of the certificate, these must be highlighted at the enquiry stage.