

UKAS Calibration of Torque Tool (torque wrenches, screwdrivers) to BS EN ISO 6789-2:2017 Expected Uncertainty Intervals

Where customers have requested a UKAS Calibration to BS EN ISO 6789-2:2017 there is a requirement to request the expected measurement error and expected uncertainty intervals.

For expected measurement error we recommend the manufacturers specification (if known) or BS EN ISO 6789-1:2017 (5.1.5).

If you have no expected uncertainty interval for the torque tool, we recommend & will apply BS EN ISO 6789-1:2017 plus 2%.

If you have a requirement for a different expected uncertainty interval, please let us know prior to the calibration of the item.

All torque wrenches will be calibrated in the clockwise direction unless stated by the customer

Clarification of the expected uncertainty interval.

The new standard defines an 'uncertainty interval' for the torque tool at each set point calibrated. This term is derived from the mean error of the torque tool + the maximum error of the measuring device used to calibrate it + the expanded uncertainty of the measurement. We will compare this value to the customers 'Expected Uncertainty Interval' requested above. The addition of the 2% that we have recommended is to cover our calibration uncertainty and measuring device error.