

Technical Information

USING UKAS ACCREDITED CALIBRATION HOUSES ***Guidance on thread gauge calibration standards***

T011

The main reasoning is that whilst ISO 9001 does cover measurement it isn't an assurance of competence and technical capability of a laboratory and therefore it is not sufficient evidence of demonstration of the competence of the laboratory or assurance of traceability to national / international standards of the calibrated equipment.

Measurement equipment that has a significant influence on the results of the inspection, needs to be calibrated before being put into service, and thereafter calibrated according to an established programme. The overall programme of calibration of equipment shall be designed and operated so as to ensure that, wherever applicable, measurements made by the inspection body are traceable to national or international standards of measurement. According to ILAC the preferred routes for conformity assessment bodies who seek external services for calibration of their equipment are defined in subsections 1) and 2) ILAC P10 section 2. ILAC is the International Laboratory Accreditation Cooperation and is the international authority on laboratory and inspection body accreditation

UKAS also have a document TP 41 "UKAS Policy on Metrological Traceability" that describes metrological traceability requirements contained within ISO/IEC 17025:2005.