

## What does the logo in the calibration certificate mean?

Danish Technological Institute uses different logos in the accredited calibration certificates, but what does the logo mean for the use of the certificate?

All calibration certificates issued by Danish Technological Institute are subject to quality control. Besides, the reported results are traceable with regard to metrology, which means that the results can be related to a reference standard at a national reference laboratory through a documented intact chain of calibrations with well-known measurement uncertainties.

### DANAK and ILAC MRA



Accredited calibration certificates carry DANAK's logo. DANAK is the national accreditation body in Denmark, appointed by The Danish Safety Technology Authority under The Ministry of Business and Growth. Accredited calibration means that DANAK conducts impartial audit of Danish Technological Institute's laboratories. The control includes e.g. the qualifications of the employees, the impartiality and the metrological traceability of the performed measurements, the calculated uncertainty and the suitability of the used measuring equipment. Click here for further information: [www.danak.dk](http://www.danak.dk).

DANAK has authorised Danish Technological Institute to use the ILAC MRA logo in accredited calibration certificates. This logo documents that the certificate is also covered by the global agreement of ILAC (International Laboratory Accreditation Corporation) about mutual recognition of accredited calibration certificates. Hence, an ILAC MRA certificate is recognised in a large number of countries. Click here for a list of the ILAC MRA signatories: <http://ilac.org/ilac-mra-and-signatories/>.

### CIPM MRA

Danish Technological Institute is recognised for having the most profound technical competences in various metrological fields and is appointed national metrology laboratory (MI) by The Danish Safety Technology Authority within the following fields:

- Contact thermometry
- Water flow – including energy flow in water-carrying systems
- Anemometry (measurement of air velocity)
- Dimensional metrology (length measurements)



Within these fields Danish Technological Institute has been authorised by "The International Committee of Weights and Measures – CIPM" to issue certificates with the CIPM MRA logo. This logo documents traceability at the highest international level. Three requirements must be met for CIPM MRA certificates: That the Institute has participated in interlaboratory comparisons at the highest level, that the quality system is approved and that the uncertainty budgets are reviewed by internationally recognised experts. CIPM MRA has been signed by the approximately 100 countries that are affiliated to The Metre Convention, and certificates with the CIPM MRA logo are accepted in these countries. You can find a list of the CIPM MRA participants here: [www.bipm.org](http://www.bipm.org).