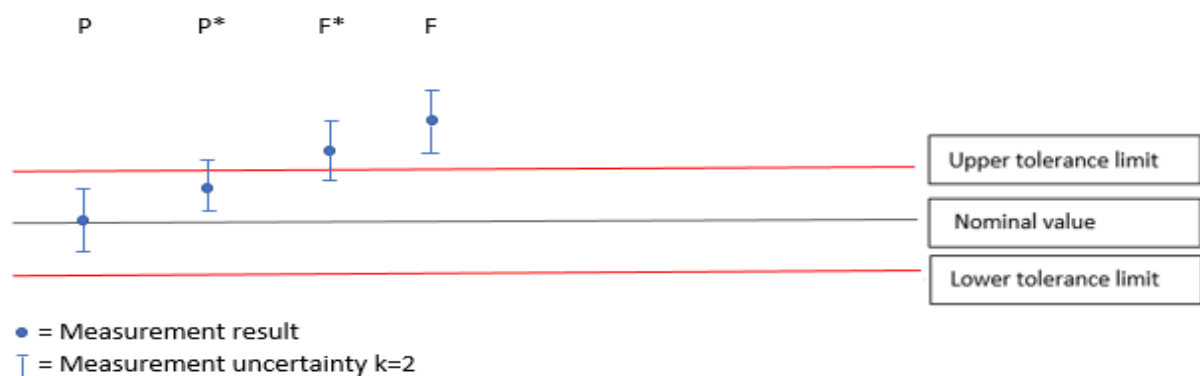# Statement of Conformity

Conformance with specification

The following pages contain the calibration results and indicating the instrument performance relative to the stated specifications. To determine conformance with specification the ILAC -G8:09/2019 guideline was used as a reference.

Measurement uncertainties at the time of calibration is given where applicable. Measurement uncertainties are calculated in accordance to EA-4/02. The reported expanded Uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by a coverage factor k=2, then the coverage probability corresponds to approximately 95%.

Decisions rules

● = Measurement result
Ⱦ = Measurement uncertainty k=2

Indicator   Explanation

P   (Pass)   The equipment conforms with the stated specification at the measured points, due allowance having been made for the uncertainty of the measurements, if available.

P*   (Pass*)   The measurement result is within the specification limit by a margin less than the measurement uncertainty. It is therefore not possible to state conformance based on the stated level confidence. However, the results indicate that conformance is more probable than non-conformance with the specification limit.

F*   (Fail*)   The measurement result is outside the specification limit by a margin less than the measurement uncertainty. It is therefore not possible to state non-conformance based on the stated level confidence. However, the results indicate that non-conformance is more probable than conformance with the specification limit.

F   (Fail)   The equipment does not conforms with the stated specification at the measured points, due allowance having been made for the uncertainty of the measurements, if available.

Calibration Ågotnes:
Measurement result is considered in acceptance of tolerance when measurement result is P.
Measurement result is considered outside of tolerance when measurement result is F.
When measurement result is P* or F* we cannot conclude that the DUT is in acceptance or not of tolerance.

Calibration Oslo:
Measurement result is considered in acceptance of tolerance when measurement result is P or P*.
Measurement result is considered outside of tolerance when measurement result is F or F*.