

Maximum allowable uncertainties and tolerances according to ISO 5801¹

Maximum allowable uncertainties of measurement resp. results² and manufacturing tolerances³:



Parameter	Allowable measurement/ result uncertainties	Manufacturing tolerance grade AN1	Manufacturing tolerance grade AN2	Manufacturing tolerance grade AN3	Manufacturing tolerance grade AN4
Volume flow	±2%	±1%	±2.5%	±5%	±10%
Total pressure	±1.4%	±1%	±2.5%	±5%	±10%
Power consumption	±2%	+2%	+3%	+8%	+16%
Sound level ⁴	— ⁴	+2dB	+3dB	+4dB	+6dB

Note 1: In individual cases any uncertainties and tolerances might be significantly higher than stated above.

Note 2: According to table 2 and 3 of ISO 5801 „Uncertainty analysis“.

Note 3: According to annex F of ISO 5801 referring to ISO 13348.

Note 4: Measurement tolerances are given in ISO 13348.

This is only an extract of the above standard for training purpose only. For a complete standard please contact the ISO copyright office or your local vendor.