

## Type-B Contribution

Source	Distribution	DOF	Calculation	Value(±)
UB1 Uncertainty Due To Master 0.0002 g	/2	$\omega$	Sensitivity Coeff. = 1	0.0002 g
UB2 Eccentricity Error 0.001 kg	$\sqrt{3}$	$\omega$	Sensitivity Coeff. = 1	0.001 kg
UB3 Uncertainty Due To Duc Least Count 0.001 kg	$\sqrt{3}$	$\omega$	Sensitivity Coeff. = 1	0.001 kg
UB4 Repeatability (Balance) 0 kg	$\sqrt{10}$	$\omega$	Sensitivity Coeff. = 1	0 kg

## Uncertainty Budget

Sources of Uncertainty	Estimate	Limits Xi	Probability Distribution	Standard Uncertainty	Sensitivity Coefficient	Uncertainty Contribution	Degrees of freedom
UB1 Uncertainty Due To Master	0.0002 g	0.0002 g	/2	0.0001 g	1	1.0000000e-7 kg	$\infty$
UB2 Eccentricity Error	0.001 kg	0.001 kg	$\sqrt{3}$	0.0005774 kg	1	0.0005774 kg	$\infty$
UB3 Uncertainty Due To Duc Least Count	0.001 kg	0.0005 kg	$\sqrt{3}$	0.0002887 kg	1	0.0002887 kg	$\infty$
UB4 Repeatability (Balance)	0 kg	0 kg	$\sqrt{10}$	0 kg	1	0 kg	9
	Uc			0.0006455 kg	1	0.0006455 kg	$\infty$
	Expanded Uncertainty	K=	2			0.001291 kg	$\infty$

COMBINED UNCERTAINTY

EFFECTIVE DEGREES

Expanded Uncertainty

0.0006454972321

Infinity

0.001291 kg



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COMBINED UNCERTAINTY  
0.0006454972321EFFECTIVE DEGREES  
InfinityExpanded Uncertainty  
0.001291 kg 

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COMBINED UNCERTAINTY  
0.0006454972321

EFFECTIVE DEGREES  
Infinity

Expanded Uncertainty  
0.001291 kg 