



Assorted Calibration Weights - F2 class

Application

Weights intended for use in the verification or calibration of class M1 and possibly class M2 weights. Also intended for use in important commercial transactions (e.g. precious metals and stones) on weighing instruments of high accuracy class II and III. (number of counts between 10001 to 30000, $n = \text{max capacity} / d$).

Calibration Weights

F2

Technical Specifications

Brand	NSTAR
Model	As shown in table
Class	OIML F2
Material	Highgrade stainless steel (Density $7.95 \pm 0.03 \text{ g/cm}^3$)
Cavity	Monoblock construction, No adjustable cavity (upto 50 g) With adjustable cavity at bottom (100 g to 5 kg)
Surface	Highly polished mirror finish, $[Rz < 5, Ra < 1 (\mu\text{m})]$
Magnetic Properties	Maximum magnetic polarization, $\mu_0 M, (\mu\text{T}) < 80$
Contents of Weights	1-2-5-10-20-50-100-200-500 g 1-2-5 kg
Marking	Denomination marking on test weights Distinguish mark is available on second weight
Standards	OIML R-111, 2004 (E)
Certificate	NABL accredited certificate - 1 year validity



2 kg



5 kg

Shape

Denomination

Cylindrical knob	1 g to 500 g
Cylindrical knob	1 kg to 5 kg

Dimensions

	1 g to 100 g	200 g	500 g to 1 kg	2 kg	5 kg
Storage case	Plastic Storage case				
Size*	38 x 38 x 55	44 x 44 x 64	65 x 65 x 98	77 x 77 x 123	101 x 101 x 166
Gross Weight	upto 130 g	230 g	upto 1.1 kg	2.4 kg	5.9 kg
External Packing	Corrugated boxes				
Number of package	1 pieces each				

* L x W x H in mm

Tolerance and Uncertainties

Model Number	Capacity	Tolerance# (mg)	Uncertainty* (mg)
NC-1-F2-SS	1 g	0.300	0.0030
NC-2-F2-SS	2 g	0.400	0.0040
NC-5-F2-SS	5 g	0.500	0.0050
NC-10-F2-SS	10 g	0.600	0.0066
NC-20-F2-SS	20 g	0.800	0.0080
NC-50-F2-SS	50 g	1.000	0.010
NC-0.1K-F2-SS	100 g	1.600	0.016
NC-0.2K-F2-SS	200 g	3.000	0.03
NC-0.5K-F2-SS	500 g	8.000	0.08
NC-1K-F2-SS	1 kg	16.00	0.16
NC-2K-F2-SS	2 kg	30.00	0.32
NC-5K-F2-SS	5 kg	80.00	0.82

Maximum Permissible Errors (MPE) as per OIML R-111

* Accredited CMC of Precimass LLP (CC-3213)

NSTAR Corp is offering assured 1/3rd uncertainty to the MPE for OIML F2 class weights.



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