



NC-001-0.2K-F2-SS

Calibration Weights Set - 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 Set

F2

Technical Specifications

Brand	NSTAR
Model	NC-001-0.2K-F2-SS
Class	OIML F2
Material	Highgrade stainless steel (Density $7.95 \pm 0.03 \text{ g/cm}^3$)
Cavity	Monoblock construction, No adjustable cavity
Surface	Highly polished mirror finish, [Rz < 5, Ra < 1 (μm)]
Magnetic Properties	Maximum magnetic polarization, $\mu_0 M$, (μT) < 80
Contents of Weights	1-2-2*-5-10-20-20*-50-100-200-200*-500 mg (12 pcs) 1-2-2*-5-10-20-20*-50-100-200-200* g (11 pcs)
Marking	Denomination marking on gram test weights Distinguish mark is available on second seight
Standards	OIML R-111, 2004 (E)
Certificate	NABL accredited certificate - 1 year validity



Shape

Denomination

Pentagon	500 mg, 50 mg, 5 mg
Square	200 mg, 20 mg, 2 mg
Triangle	100 mg, 10 mg, 1 mg
Cylindrical knob	1 g to 200 g

*Note : All milligram weights are in wire shape

Dimensions

Storage Case	Alluminium storage case with accessories
Weight Box Size	30 x 20 x 10 cm (L x W x H)
Net Weight	1.4 kg
Number of Package	1
Gross Weight	1.7 kg
Package Data	33 x 22 x 15 cm (L x W x H)
External Packing	Corrugated boxes



Tolerance and Uncertainties

Denominations	Tolerance# (mg)	Uncertainty* (mg)
1 mg	0.060	0.0010
2 mg	0.060	0.0010
5 mg	0.060	0.0010
10 mg	0.080	0.0010
20 mg	0.100	0.0010
50 mg	0.120	0.0013
100 mg	0.160	0.0016
200 mg	0.200	0.0020
500 mg	0.250	0.0026
1 g	0.300	0.0030
2 g	0.400	0.0040
5 g	0.500	0.0050
10 g	0.600	0.0066
20 g	0.800	0.0080
50 g	1.000	0.010
100 g	1.600	0.016
200 g	3.000	0.03

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 set.

India

NSTAR CORP
34, Pelican Estate,
Road No. 5, Kathwada GIDC,
Kathwada, Ahmedabad - 382430,
Gujarat

 www.calibrationweights.in

 +91 7567 222 900

 sales@calibrationweights.in