

Maximum permissible errors of all the classes of weights according to R 111 (1994) are given below to give a general idea about MPEs.

2.2 Maximum permissible errors according to OIML R 111 (5000 kg to 100 kg)

Nominal value	MPE according to class (g)								
	E ₁	E ₂	F ₁	F ₂	M ₁	M ₁₋₂	M ₂	M ₂₋₃	M ₃
5000 kg	-	-	25	80	250	500	800	1600	2500
2000 kg	-	-	10	30	100	200	300	600	1000
1000 kg	-	1.6	5	16	50	100	160	300	500
500 kg	-	0.8	2.5	8	25	50	80	160	250
200 kg	-	0.3	1	3	10	20	30	60	100
100 kg	-	0.16	0.5	1.6	5	10	16	30	50

2.3 Maximum permissible errors according to OIML R 111 (50 kg to 1 mg)

Nominal value	MPE according to class (mg)								
	E ₁	E ₂	F ₁	F ₂	M ₁	M ₁₋₂	M ₂	M ₂₋₃	M ₃
50 kg	25	80	250	800	2500	-	8000	-	25000
20 kg	10	30	100	300	1000	-	3000	-	10000
10 kg	5	16	50	160	500	-	1600	-	5000
5 kg	2.5	8	25	80	250	-	800	-	2500
2 kg	1	3	10	30	100	-	300	-	1000
1 kg	0.5	1.6	5	16	50	-	160	-	500
500 g	0.25	0.8	2.5	8	25	-	80	-	250
200 g	0.1	0.3	1	3	10	-	30	-	100
100 g	0.05	0.16	0.5	1.6	5	-	16	-	50
50 g	0.03	0.1	0.3	1	3	-	10	-	30
20 g	0.025	0.08	0.25	0.8	2.5	-	8	-	25
10 g	0.02	0.06	0.20	0.6	2	-	6	-	20
5 g	0.016	0.05	0.16	0.5	1.6	-	5	-	16
2 g	0.012	0.04	0.12	0.4	1.2	-	4	-	12
1 g	0.01	0.03	0.1	0.3	1	-	3	-	10
500 mg	0.008	0.025	0.08	0.25	0.8	-	2.5	-	-
200 mg	0.006	0.02	0.06	0.2	0.6	-	2	-	-
100 mg	0.005	0.016	0.05	0.16	0.5	-	1.6	-	-
50 mg	0.004	0.012	0.04	0.12	0.4	-	-	-	-
20 mg	0.003	0.01	0.03	0.1	0.3	-	-	-	-
10 mg	0.003	0.008	0.025	0.08	0.25	-	-	-	-
5 mg	0.003	0.006	0.02	0.06	0.2	-	-	-	-
2 mg	0.003	0.006	0.02	0.06	0.2	-	-	-	-
1 mg	0.003	0.006	0.02	0.06	0.2	-	-	-	-