

The measure of accuracy for control of inspection, measuring and test equipment

Know-how for reliable weighing results all down the line

The complete line from weights to certified testing services

Regular inspection and testing of weighing instruments are a must to ensure reliable weighing results. As a leading manufacturer of precision weighing instruments, analytical balances and industrial scales worldwide, Sartorius will provide you with all the equipment and services that you need for testing and monitoring your weighing instruments.

For inspection and testing, Sartorius offers highly accurate metrological weights and weight sets with nominal mass values from 1 mg to 1,000 kg, special and test weights, as well as the accessories required for correct handling and storage of weights.

Sartorius weights and weight sets are available in standard versions, are calibrated by the DKD* and comply with the International Recommendation, OIML-R111. Therefore, they are suitable for legal and general metrological applications in research and industry.

Sartorius weights meet the requirements for traceability to the national "kilogram" prototype in conformance with the International Standard ISO 9000 concerning the quality element "Inspection, measuring and test equipment." These weights help support your quality management and quality assurance systems, and fulfill GLP and GMP requirements.

* DKD = German Calibration Service; DKD certificates are officially recognized in all countries that belong to the Western European Calibration Cooperation (WECC), such as Denmark, Finland, France, Great Britain, Italy, the Netherlands, Sweden and Switzerland

Your DKD partner for mass units

Sartorius has DKD laboratories for both weights and electronic laboratory balances and industrial scales. Sartorius calibration laboratories have been inspected and accredited for compliance with the regulations of the German calibration service, DKD, concerning mass units. These laboratories meet the international standard for testing laboratories, ISO IEC 17025, which has been adopted as a European Standard under EN ISO IEC 17025.

Recalibration for any brand names, manufacturers and designs

Depending on how frequently weights are used, they must be recalibrated on a regular basis so that they will meet the requirements for reliable measuring, inspection and test equipment. Sartorius offers recalibration service along with DKD calibration certificates for all weights ranging from 1 mg to 50 kg, regardless of their design or brand name.



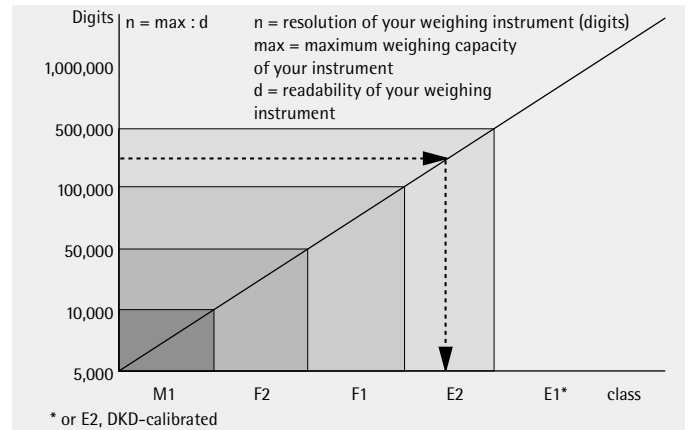
Here's how to find the right test weight

Just determine the number of digits specified for your weighing instrument's resolution, then read off the particular accuracy class that your test weight must have on the graph provided on the right.

The weight value of your test weight should be more than 80% of the maximum capacity of your weighing instrument.

Use the chart on right to determine whether you need an individual weight or a weight set by comparing the nominal mass values.

Example: Suppose your weighing instrument has a capacity of 2,200 g and a readability of 0.01 g. This yields 220,000 digits, which correspond to a class E2 test weight. Since 80% of 2,200 g is 1,760 g, you need to round it to a weight value of 2 kg according to the chart.



Maximum permissible errors according to OIML Recommendation R111

+/- in mg								
Nominal mass value		E1	E2	F1	F2	M1	M2	M3
1	mg	0.002	0.006	0.020	0.06	0.20		
2	mg	0.002	0.006	0.020	0.06	0.20		
5	mg	0.002	0.006	0.020	0.06	0.20		
10	mg	0.002	0.008	0.025	0.08	0.25		
20	mg	0.003	0.010	0.03	0.10	0.3		
50	mg	0.004	0.012	0.04	0.12	0.4		
100	mg	0.005	0.015	0.05	0.15	0.5	1.5	
200	mg	0.006	0.020	0.06	0.20	0.6	2.0	
500	mg	0.008	0.025	0.08	0.25	0.8	2.5	
+/- mg								
1	g	0.010	0.030	0.10	0.3	1.0	3	10
2	g	0.012	0.040	0.12	0.4	1.2	4	12
5	g	0.015	0.050	0.15	0.5	1.5	5	15
10	g	0.020	0.060	0.20	0.6	2	6	20
20	g	0.025	0.080	0.25	0.8	2.5	8	25
50	g	0.030	0.10	0.30	1.0	3.0	10	30
100	g	0.05	0.15	0.5	1.5	5	15	50
200	g	0.10	0.30	1.0	3.0	10	30	100
500	g	0.25	0.75	2.5	7.5	25	75	250
+/- kg								
1	kg	0.5	1.5	5	15	50	150	500
2	kg	1.0	3.0	10	30	100	300	1,000
5	kg	2.5	7.5	25	75	250	750	2,500
10	kg	5	15	50	150	500	1,500	5,000
20	kg	10	30	100	300	1,000	3,000	10,000
50	kg	25	75	250	750	2,500	7,500	25,000

Maximum permissible errors of the high-capacity weights correspond to extrapolated OIML classes F1-M1

100	kg	500	1,500	5,000
200	kg	1,000	3,000	10,000
500	kg	2,500	7,500	25,000
1,000	kg	5,000	15,000	50,000

All weights have been adjusted to the reference density of 8.0 g/cm³ at an air density of 1.2 kg/m³.



Sartorius weight sets

The Sartorius line of weight sets includes sets of reference or test standards supplied in high-quality cases and service weight sets that come in a practical carrying case for maintenance of balances and scales when you're on the move.

Sartorius sets contain knob weights for nominal mass values from 1 g and upward. Sets with weights ranging from 1 mg to 500 mg can be supplied in your choice of easy-to-handle leaf weights made of aluminum or nickel silver, or wire weights made of special, wear-resistant stainless steel.



Weight set in wooden case



Service case



Knob weights

Weight sets in a wooden case contain special forceps for handling small weights and gloves for weights from 1 kg and upward.

Service weight sets in a plastic case with cylindrical weights



Wire weights



Leaf weights



Cylindrical test weights acc. to OIML

Metrological weight sets in a wooden case with forceps*

Combination of weights

- Weight without marking
- Weight with marking

Range	Content	mg	g	kg
1 mg – 5 g	1	●	●	
	2	●○	●○	
	Total contents:	5	●	●
	11.11 g	10	●	●
	16 weights	20	●○	●○
		50	●	●
		100	●	●
1 mg – 100 g	1	●	●	
	2	●○	●○	
	Total contents:	5	●	●
	211.11 g	10	●	●
	21 weights	20	●○	●○
		50	●	●
		100	●	●
1 mg – 200 g	1	●	●	
	2	●○	●○	
	Total contents:	5	●	●
	611.11 g	10	●	●
	23 weights	20	●○	●○
		50	●	●
		100	●	●
1 mg – 1 kg	1	●	●	●
	2	●○	●○	●○
	Total contents:	5	●	●
	2,111.11 g	10	●	●
	25 weights	20	●○	●○
		50	●	●
		100	●	●
1 mg – 5 kg	1	●	●	●○
	2	●○	●○	●○
	Total contents:	5	●	●
	11,111.11 g	10	●	●
	28 weights	20	●○	●○
		50	●	●
		100	●	●
1 g – 1 kg	1	●	●	●
	2		●○	●○
	Total contents:	5	●	●
	2,110 g	10	●	●
	13 weights	20	●○	●○
		50	●	●
		100	●	●
1 g – 5 kg	1	●	●	●
	2		●○	●○
	Total contents:	5	●	●
	11,110 g	10	●	●
	16 weights	20	●○	●○
		50	●	●
		100	●	●
1 g – 10 kg	1	●	●	●○
	2		●○	●○
	Total contents:	5	●	●
	21,110 g	10	●	●
	17 weights	20	●○	●○
		50	●	●
		100	●	●
	200	●○	●○	
	500	●	●	

* From 1 kg and up, gloves are additionally supplied

Class M1 precision weights for industrial scales

For adjustment and testing the accuracy of high-capacity industrial scales, Sartorius supplies stackable gray cast weights with a black painted finish in three shapes, all with an adjusting cavity. We also offer a choice of galvanized cast iron or stainless steel weights.



Rectangular bar weights from 5 kg to 50 kg with a handle for manual positioning or loading by a crane



Rectangular bar weights from 100 kg to 1,000 kg for loading by a crane or a fork lifter



Cylindrical kilogram weights from 100 kg to 1,000 kg for loading by a crane

Special accessories for calibration centers and for handling weights



Glass bell jars for storing weight standards from 1 mg to 50 kg



Permeability indicator for testing the magnetic properties of weights



Weight forks for handling knob weights from 500 g to 2 kg



Handles for lifting knob weights from 5 kg to 50 kg. The 50-kg handle has a lug to facilitate lifting by a crane.

For further accessories, see page 12; special weights and other standards available on request



OIML class E1 metrological weights

Standard



DKD-calibrated

Packaging of the weights:
up to 20 g in a plastic case;
from 50 g and up in a wooden case;
from 1 kg and up, additionally supplied with gloves



	Nominal mass value	Material	Order no.	Order no.
Wire weights 	1 mg	St	YCW0111-00	YCW0111-02
	2 mg	St	YCW0211-00	YCW0211-02
	5 mg	St	YCW0511-00	YCW0511-02
	10 mg	St	YCW1111-00	YCW1111-02
	20 mg	St	YCW1211-00	YCW1211-02
	50 mg	St	YCW1511-00	YCW1511-02
	100 mg	St	YCW2111-00	YCW2111-02
	200 mg	St	YCW2211-00	YCW2211-02
	500 mg	St	YCW2511-00	YCW2511-02
Knob weights 	1 g	St	YCW311-00	YCW311-02
	2 g	St	YCW321-00	YCW321-02
	5 g	St	YCW351-00	YCW351-02
	10 g	St	YCW411-00	YCW411-02
	20 g	St	YCW421-00	YCW421-02
	50 g	St	YCW451-00	YCW451-02
	100 g	St	YCW511-00	YCW511-02
	200 g	St	YCW521-00	YCW521-02
	500 g	St	YCW551-00	YCW551-02
	1 kg	St	YCW611-00	YCW611-02
	2 kg	St	YCW621-00	YCW621-02
	5 kg	St	YCW651-00	YCW651-02
	10 kg	St	YCW711-00	YCW711-02
	20 kg	St	YCW721-00	YCW721-02
	50 kg	St	YCW751-00	YCW751-02

Metrological weight sets

	Nominal mass value	Material	Order no.	Order no.
Weight sets with wire weights up to 500 mg 	1 mg – 5 g	St	YCS011-351-00	YCS011-351-02
	1 mg – 100 g	St	YCS011-511-00	YCS011-511-02
	1 mg – 200 g	St	YCS011-521-00	YCS011-521-02
	1 mg – 1 kg	St	YCS011-611-00	YCS011-611-02
	1 mg – 5 kg	St	YCS011-651-00	YCS011-651-02
Weight sets with knob weights 	1 g – 1 kg	St	YCS31-611-00	YCS31-611-02
	1 g – 5 kg	St	YCS31-651-00	YCS31-651-02
	1 g – 10 kg	St	YCS31-711-00	YCS31-711-02

Material:
St Special steel, non-magnetizable; density 8.0 g/cm³;
highly resistant to corrosion; knob weights highly polished

Contents of the weight sets:
see page 4


OIML class E2 metrological weights

Standard

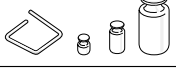
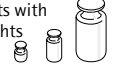
DKD-calibrated

Packaging of the weights:
up to 20 g in a plastic case;
from 50 g and up, in a wooden case;
from 1 kg and up, additionally supplied with gloves



	Nominal mass value	Material	Order no.	Order no.
Wire weights 	1 mg	St	YCW0121-00	YCW0121-02
	2 mg	St	YCW0221-00	YCW0221-02
	5 mg	St	YCW0521-00	YCW0521-02
	10 mg	St	YCW1121-00	YCW1121-02
	20 mg	St	YCW1221-00	YCW1221-02
	50 mg	St	YCW1521-00	YCW1521-02
	100 mg	St	YCW2121-00	YCW2121-02
	200 mg	St	YCW2221-00	YCW2221-02
	500 mg	St	YCW2521-00	YCW2521-02
Knob weights 	1 g	St	YCW312-00	YCW312-02
	2 g	St	YCW322-00	YCW322-02
	5 g	St	YCW352-00	YCW352-02
	10 g	St	YCW412-00	YCW412-02
	20 g	St	YCW422-00	YCW422-02
	50 g	St	YCW452-00	YCW452-02
	100 g	St	YCW512-00	YCW512-02
	200 g	St	YCW522-00	YCW522-02
	500 g	St	YCW552-00	YCW552-02
	1 kg	St	YCW612-00	YCW612-02
	2 kg	St	YCW622-00	YCW622-02
	5 kg	St	YCW652-00	YCW652-02
	10 kg	St	YCW712-00	YCW712-02
	20 kg	St	YCW722-00	YCW722-02
50 kg	St	YCW752-00	YCW752-02	

Metrological weight sets

	Nominal mass value	Material	Order no.	Order no.
Weight sets with wire weights up to 500 mg 	1 mg – 5 g	St	YCS011-352-00	YCS011-352-02
	1 mg – 100 g	St	YCS011-512-00	YCS011-512-02
	1 mg – 200 g	St	YCS011-522-00	YCS011-522-02
	1 mg – 1 kg	St	YCS011-612-00	YCS011-612-02
	1 mg – 5 kg	St	YCS011-652-00	YCS011-652-02
Weight sets with knob weights 	1 g – 1 kg	St	YCS31-612-00	YCS31-612-02
	1 g – 5 kg	St	YCS31-652-00	YCS31-652-02
	1 g – 10 kg	St	YCS31-712-00	YCS31-712-02

Material:
St Special steel, non-magnetizable; density 7.9 g/cm³;
highly resistant to corrosion; knob weights highly polished

Contents of the weight sets:
see page 4




OIML class F1 metrological weights

Standard



DKD-calibrated

Packaging of the weights:
up to 20 g, in a plastic case; from 50 g and up,
in a wooden case; from 1 kg and up, additionally
supplied with gloves; from 100 kg and up, on a pallet



	Nominal mass value	Material	Order no.	Order no.
Leaf weights 	1 mg	Al	YCW013-00	YCW013-02
	2 mg	Al	YCW023-00	YCW023-02
	5 mg	Al	YCW053-00	YCW053-02
	10 mg	Ns	YCW113-00	YCW113-02
	20 mg	Ns	YCW123-00	YCW123-02
	50 mg	Ns	YCW153-00	YCW153-02
	100 mg	Ns	YCW213-00	YCW213-02
	200 mg	Ns	YCW223-00	YCW223-02
	500 mg	Ns	YCW253-00	YCW253-02
Knob weights 	1 g	St	YCW313-00	YCW313-02
	2 g	St	YCW323-00	YCW323-02
	5 g	St	YCW353-00	YCW353-02
	10 g	St	YCW413-00	YCW413-02
	20 g	St	YCW423-00	YCW423-02
	50 g	St	YCW453-00	YCW453-02
	100 g	St	YCW513-00	YCW513-02
	200 g	St	YCW523-00	YCW523-02
	500 g	St	YCW553-00	YCW553-02
	1 kg	St	YCW613-00	YCW613-02
	2 kg	St	YCW623-00	YCW623-02
	5 kg	St	YCW653-00	YCW653-02
	10 kg	St	YCW713-00	YCW713-02
	20 kg	St	YCW723-00	YCW723-02
50 kg	St	YCW753-00	YCW753-02	
Cylindrical weights with lug 	100 kg	St	YCW813-00	
	200 kg	St	YCW823-00	
	500 kg	St	YCW853-00	
	1,000 kg	St	YCW913-00	

Metrological weight sets

	Nominal mass value	Material	Order no.	Order no.
Weight sets with leaf weights up to 500 mg 	1 mg – 100 g	Al/Ns/St	YCS01-513-00	YCS01-513-02
	1 mg – 200 g	Al/Ns/St	YCS01-523-00	YCS01-523-02
	1 mg – 1 kg	Al/Ns/St	YCS01-613-00	YCS01-613-02
	1 mg – 5 kg	Al/Ns/St	YCS01-653-00	YCS01-653-02
Weight sets with knob weights 	1 g – 1 kg	St	YCS31-613-00	YCS31-613-02
	1 g – 5 kg	St	YCS31-653-00	YCS31-653-02
	1 g – 10 kg	St	YCS31-713-00	YCS31-713-02

Material:

Al Aluminum, density 2.7 g/cm³; leaf weights 1 to 5 mg
Ns Nickel silver, density 8.7 g/cm³; leaf weights 10 to 500 mg

St Special steel, non-magnetizable; density 7.9 g/cm³;
highly resistant to corrosion; knob weights highly polished

Contents of the weight sets: see page 4

Weights from 10 g and up with adjusting cavity



OIML class F2 metrological weights

Standard

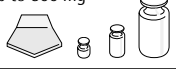

DKD-calibrated

Packaging of the weights:
up to 20 g in a plastic case;
from 50 g and up, in a wooden case;
from 1 kg and up, additionally supplied with gloves;
from 100 kg and up, on a pallet



	Nominal mass value	Material	Order no.	Order no.
Knob weights 	1 g	St	YCW314-00	YCW314-02
	2 g	St	YCW324-00	YCW324-02
	5 g	St	YCW354-00	YCW354-02
	10 g	St	YCW414-00	YCW414-02
	20 g	St	YCW424-00	YCW424-02
	50 g	St	YCW454-00	YCW454-02
	100 g	St	YCW514-00	YCW514-02
	200 g	St	YCW524-00	YCW524-02
	500 g	St	YCW554-00	YCW554-02
	1 kg	St	YCW614-00	YCW614-02
	2 kg	St	YCW624-00	YCW624-02
	5 kg	St	YCW654-00	YCW654-02
	10 kg	St	YCW714-00	YCW714-02
	20 kg	St	YCW724-00	YCW724-02
	50 kg	St	YCW754-00	YCW754-02
Cylindrical weights with lug 	100 kg	St	YCW814-00	YCW814-02
	200 kg	St	YCW824-00	YCW824-02
	500 kg	St	YCW854-00	YCW854-02
	1,000 kg	St	YCW914-00	

Metrological weight sets

	Nominal mass value	Material	Order no.	Order no.
Weight sets with leaf weights up to 500 mg 	1 mg – 100 g	Al/Ns/St	YCS01-514-00	YCS01-514-02
	1 mg – 200 g	Al/Ns/St	YCS01-524-00	YCS01-524-02
	1 mg – 1 kg	Al/Ns/St	YCS01-614-00	YCS01-614-02
	1 mg – 5 kg	Al/Ns/St	YCS01-654-00	YCS01-654-02
Weight sets with knob weights 	1 g – 1 kg	St	YCS31-614-00	YCS31-614-02
	1 g – 5 kg	St	YCS31-654-00	YCS31-654-02
	1 g – 10 kg	St	YCS31-714-00	YCS31-714-02

Material:
Al Aluminum, density 2.7 g/cm³; leaf weights 1 to 5 mg
Ns Nickel silver, density 8.7 g/cm³; leaf weights 10 to 500 mg
St Special steel, non-magnetizable; density 7.9 g/cm³;
highly resistant to corrosion; knob weights highly polished

Contents of the weight sets:
see page 4
Weights from 10 g and up
with an adjusting cavity



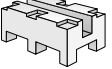

OIML class M1 metrological weights

Standard

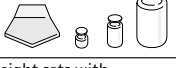

DKD-calibrated

Packaging of the weights:
knob weights in a wooden case;
rectangular bar weights and cylindrical kg weights
without case; from 100 kg and up, on a pallet




	Nominal mass value	Material	Order no.	Order no.
Knob weights 	1 kg	Mg	YCW615-00	YCW615-02
	2 kg	Mg	YCW625-00	YCW625-02
	5 kg	Mg	YCW655-00	YCW655-02
	10 kg	Mg	YCW715-00	YCW715-02
Rectangular bar weights 	5 kg	Gr	YCW6559-00	YCW6559-02
	10 kg	Gr	YCW7159-00	YCW7159-02
	20 kg	Gr	YCW7259-00	YCW7259-02
	50 kg	Gr	YCW7559-00	YCW7559-02
Rectangular bar weights 	100 kg	Gr	YCW8159-00	YCW8159-02
	200 kg	Gr	YCW8259-00	YCW8259-02
	500 kg	Gr	YCW8559-00	YCW8559-02
	1,000 kg	Gr	YCW9159-00	
Cylindrical kg weights 	100 kg	Gr	YCW8157-00	YCW8157-02
	200 kg	Gr	YCW8257-00	YCW8257-02
	500 kg	Gr	YCW8557-00	YCW8557-02
	1,000 kg	Gr	YCW9157-00	

Metrological weight sets

	Nominal mass value	Material	Order no.	Order no.
Weight sets with leaf weights up to 500 mg 	1 mg – 100 g	Al/Ns/Mg	YCS01-515-00	YCS01-515-02
	1 mg – 200 g	Al/Ns/Mg	YCS01-525-00	YCS01-525-02
	1 mg – 1 kg	Al/Ns/Mg	YCS01-615-00	YCS01-615-02
	1 mg – 5 kg	Al/Ns/Mg	YCS01-655-00	YCS01-655-02
Weight sets with knob weights 	1 g – 1 kg	Mg	YCS31-615-00	YCS31-615-02
	1 g – 5 kg	Mg	YCS31-655-00	YCS31-655-02
	1 g – 10 kg	Mg	YCS31-715-00	YCS31-715-02

OIML class M2 metrological weights

	Nominal mass value	Material	Order no.	Order no.
Knob weights 	1 g	Ms	YCW316-00	YCW316-02
	2 g	Ms	YCW326-00	YCW326-02
	5 g	Ms	YCW356-00	YCW356-02
	10 g	Ms	YCW416-00	YCW416-02
	20 g	Ms	YCW426-00	YCW426-02
	50 g	Ms	YCW456-00	YCW456-02
	100 g	Ms	YCW516-00	YCW516-02
Packaging of the weights: up to 20 g in a plastic case; from 50 g to 2 kg, in a plastic laminated case; from 5 kg to 10 kg, in a wooden case	200 g	Ms	YCW526-00	YCW526-02
	500 g	Ms	YCW556-00	YCW556-02
	1 kg	Ms	YCW616-00	YCW616-02
	2 kg	Ms	YCW626-00	YCW626-02
	5 kg	Ms	YCW656-00	YCW656-02
	10 kg	Ms	YCW716-00	YCW716-02

Material:

Al Aluminum, density 2.7 g/cm³, leaf weights 1 to 5 mg
Gr Gray cast, painted black
Mg Brass, galvanized

Ms Brass, lathed surface, fine finish
Ns Nickel silver, density 8.7 g/cm³, leaf weights 10 to 500 mg

Contents of the weights sets:
see page 4
Weights from 10 g and up with an adjusting cavity




OIML class E2...F2 test and special weights

Standard

DKD-calibrated

Packaging of the weights:
up to 1 kg, in a plastic container;
from 2 kg and up, in a wooden case;
service weight sets in a plastic carrying case



	Nominal mass value	Material	Order no.	Order no.
E2 Cylindrical weights 	1 g	St	YCW3128-00	YCW3128-02
	2 g	St	YCW3228-00	YCW3228-02
	5 g	St	YCW3528-00	YCW3528-02
	10 g	St	YCW4128-00	YCW4128-02
	20 g	St	YCW4228-00	YCW4228-02
	50 g	St	YCW4528-00	YCW4528-02
	100 g	St	YCW5128-00	YCW5128-02
	200 g	St	YCW5228-00	YCW5228-02
	500 g	St	YCW5528-00	YCW5528-02
	1 kg	St	YCW6128-00	YCW6128-02
F1 Cylindrical weights 	1 g	St	YCW3138-00	YCW3138-02
	2 g	St	YCW3238-00	YCW3238-02
	5 g	St	YCW3538-00	YCW3538-02
	10 g	St	YCW4138-00	YCW4138-02
	20 g	St	YCW4238-00	YCW4238-02
	50 g	St	YCW4538-00	YCW4538-02
	100 g	St	YCW5138-00	YCW5138-02
	200 g	St	YCW5238-00	YCW5238-02
	500 g	St	YCW5538-00	YCW5538-02
	1 kg	St	YCW6138-00	YCW6138-02
F2 Cylindrical weights 	100 g	St	YCW5148-00	YCW5148-02
	200 g	St	YCW5248-00	YCW5248-02
	500 g	St	YCW5548-00	YCW5548-02
	1 kg	St	YCW6148-00	YCW6148-02
	2 kg	St	YCW6248-00	YCW6248-02
	5 kg	St	YCW6548-00	YCW6548-02
Service weight sets	E2 100 g – 5 kg	St	YSS5128-6528-00	YSS5128-6528-02
	F1 1 g – 5 kg	St	YSS3138-6538-00	YSS3138-6538-02
Special weights	5 kg ±25 mg	St	YSS653-00	YSS653-02
	30 g for MA30 for MA45	St	YSS43-00	YSS43-02
	2 × 5 g for MC5	St/Al	YSS35-00	With factory certificate Aluminum weight for air buoyancy correction function
	2 × 50 g for ME/MC with 0.01 mg or 0.1 mg	St/Al	YSS45-00	With factory certificate Aluminum weight for air buoyancy correction function

Contents of the service weight sets

- Weight without marking
- Weights with marking

Range	Content	g	kg
E2 100 g – 5 kg	1		●
	2		● ○
	5		●
	Total contents:	10	
	11,000 g	20	
	8 weights	50	
		100	●
	200	● ○	
	500	●	

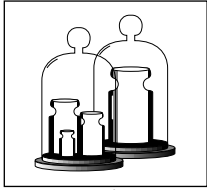
Range	Content	g	kg
F1 1 g – 5 kg	1		●
	2		● ○
	5		●
	Total contents:	10	
	11,120 g	20	● ○
	16 weights	50	●
		100	●
	200	● ○	
	500	●	

Material:

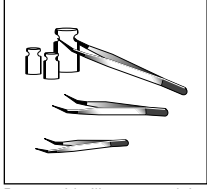
Al Aluminum, density 2.7 g/cm³

St Special steel, non-magnetizable; density 7.9 g/cm³; polished

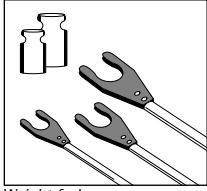
Accessories



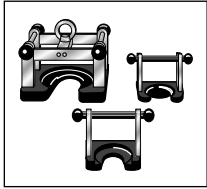
Glass bell jars w/support plate



Forceps with silicone-coated tips



Weight forks



Accessories		Order no.
Glass bell jars with support plate	For 1 mg – 5 g	YAW00
	For 1 mg – 50 g (100 g or 200 g)	YAW01
	For 100 g – 1 kg (2 kg)	YAW02
	For 2 kg – 5 kg	YAW03
	For 10 kg	YAW04
	For 20 kg	YAW05
For 50 kg	YAW06	
Brush	Small, 100 mm	YAW11
	Medium, 115 mm	YAW12
	Large, 150 mm	YAW13
	Extra-large, 250 mm	YAW14
Pair of gloves	Cotton	YAW21
	Fine leather	YAW22
Forceps with silicone-coated tips	115 mm for 1 mg – 5 g	YAW31
	160 mm for 1 g – 200 g	YAW32
	230 mm for 1 g – 1 kg	YAW33
Weight forks	For 500 g	YAW41
	For 1 kg	YAW42
	For 2 kg	YAW43
	For 5 kg	YAW50
Handle for lifting weights	For 10 kg	YAW51
	For 20 kg	YAW52
	For 50 kg	YAW53
	Permeability indicator	For checking magnetic properties of weights of accuracy classes E1, E2, F1 and F2; supplied in a wooden case

Recalibration

Individual weights	Class	Order no.
1 mg – 500 mg	E2	YCW02R1
1 g – 1 kg	E2	YCW02R2
2 kg – 10 kg	E2	YCW02R3
20 kg	E2	YCW02R4
50 kg	E2	YCW02R5
1 mg – 500 mg	F1/F2	YCW02R6
1 g – 1 kg	F1/F2	YCW02R7
2 kg – 10 kg	F1/F2	YCW02R8
20 kg	F1/F2	YCW02R9
50 kg	F1/F2	YCW02R10
1 mg – 500 mg	M1/M2/M3	YCW02R11
1 g – 1 kg	M1/M2/M3	YCW02R12
2 kg – 10 kg	M1/M2/M3	YCW02R13
20 kg	M1/M2/M3	YCW02R14
50 kg	M1/M2/M3	YCW02R15
Weight sets	Class	Order no.
per weight in the set	E2	YCW02R21
(for qty. see page 4)	F1/F2	YCW02R22
	M1/M2/M3	YCW02R23

Recalibration 100 kg–500 kg and class E1 weights; available on request

We offer a standard, in-house recalibration service for individual weights and weight sets of class E2 to M1 with a legal OIML or user-defined design.

You can request E1 recalibration as a special service from Sartorius.

Recalibration entails issuing a calibration certificate that indicates the nominal mass value, the actual value measured, and the uncertainty of the measurement of the weight.

For recalibration, we need to know the accuracy you require (uncertainty, accuracy class) and your exact mailing address.

To ensure prompt and efficient processing of your recalibration order, please state the complete order number of the weight(s) on your order.