PRECISION LABORATORY SETS

OIML CLASSIFICATION

Calibration Turnaround in 4 Days OR LESS

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Designed specifically for calibrating balances, calibrating weights, laboratory use, and as mass standards, our high-precision calibration weights provide ultimate accuracy and easy handling.

Calibrated weights are traceable to the International System of Units (S.I.) through National Institute of Standards and Technology (NIST) or National Physical Lab (NPL). Weights are manufactured to OIML R111-1, 2004 guidelines.

To ensure the highest measurement standards, Rice Lake holds memberships and actively participates in the following organizations:

- National Voluntary Laboratory Accreditation Program
- NIST Mass Measurement Assurance Program
- National Conference on Standards Laboratories
- National Conference on Weights and Measures
- International Society of Weighing and Measurement

Standard Features

- Classes E1 and E2 one-piece design
- Classes F1 and F2 two-piece design
- Highly polished stainless steel (E1-F2 Class)
- Class M1 satin finish
- Milligram weights 5 mg to 1 mg are aluminum construction, density is 2.71 g/cm^3
- 5 2 2 1 configurations (example: 50 g, 20 g, 20 g, 10 g)
- Density of M1 is 7.84 g/cm^3
- Density of F1 and F2 (5 g to 20 kg) is 7.84 g/cm^3
- Density of E1, E2 and all other weights is 7.95 g/cm^3
- Precision-machined polyvinyl, crush resistant case (for weights up to 500 g)
- Hardwood case with velvet-lined pockets (for sets with weights>500 g)

Options/Accessories

- Calibration or traceable certificates included with all Class E1 and E2 weight sets
- Custom cases for special sets
- Serialization for cases only
- Handling equipment including transfer carts, lifting bars, tweezers and gloves
- Statement of Accuracy (for M1, F1 and F2 only)
- Thermoformed case

OIML sets

Class / Set Size	E1 Part #	E2 Part #	F1 Part #	F2 Part #	M1 Part #
500 mg - 1 mg	30850	30851	30852	30853	
500 mg - 100 mg	30854	30855	30856	30857	
50 g - 1 mg		96477	96479	96481	
50 g - 1 g		96478	96480	96482	
100 g - 1 mg	30838	30839	30840	30841	119561
100 g - 100 mg	30842	30843	30844	30845	
100 g - 1 g	30846	30847	30848	30849	119560
200 g - 1 mg	40546	40550	40554	40558	
(2) 200 g - 1 mg		96468	96470	96472	
200 g - 100 mg	40547	40551	40555	40559	
200 g - 1 g	40548	40552	40556	40560	
(2) 200 g - 1 g		96469	96471	96473	
(2) 200 g - 100 g	40549	40553	40557	40561	
500 g - 1 mg	30822	30823	30824	30825	
500 g - 100 mg	30826	30827	30828	30829	
500 g - 1 g	30830	30831	30832	30833	
500 g - 100 g	30834	30835	30836	30837	
1 kg - 1 mg	30806	30807	30808	30809	
1 kg - 100 mg	30810	30811	30812	30813	
1 kg - 1 g	30814	30815	30816	30817	
1 kg - 100 g	30818	30819	30820	30821	
2 kg - 1 mg	40518	40523	40528	40533	
(2) 2 kg - 1 mg	40519	96455	96459	96463	
2 kg - 1 g	40520	40525	40530	40535	
(2) 2 kg - 1 g		96457	96461	96465	
2 kg - 100 g	40521				
5 kg - 1 mg	30785	30786	30787	30788	126169
5 kg - 100 mg	30789	30790	30791	30792	
5 kg - 1 g	30793	30794	30795	30796	126168
5 kg - 100 g	30797	30798	30800	30801	
5 kg - 1 kg	30802	30803	30804	30805	
10 kg - 1 mg		65213	65214	65215	
10 kg -100 mg		96419	96429	96445	
10 kg - 1 g		96415	96430	96446	
10 kg - 100 g		96420	96467	96444	
10 kg - 1 kg		96421	96432	96448	

Sets include carrying case for weights.