

# Denver Cal-Kits

## Calibration and Verification Weight Sets



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Ensure accurate results by making it convenient for users to perform routine balance calibration and verification.

Electronic balances must be calibrated with a mass standard upon installation and on a regular basis thereafter. Calibration values vary over time because of changing conditions within the balance or its environment, such as:

- Movement or relocation of the balance
- Temperature variations
- Aging electronic components

Custom Cal-Kits take the guesswork out of determining which weights to purchase for your balance. Each kit offers two test weights that are recommended for a given balance. One weight is recognized by the balance for automatic calibration; the other is provided as a check-standard to verify accuracy in the low range. With most Denver balances, simply press Cal and add the larger weight - calibration is complete! To check the accuracy at the low-end of the balance's range, simply press Tare and put the smaller weight on the pan and note that the reading matches the mass applied.



## Increase Productivity

Instead of sharing weight sets with different labs, save time and increase productivity by having everything you need in one place to perform regular calibration. Denver Cal-Kits include weights, glove (or tweezers) and a Certificate of Conformance to NIST standards. Keeping the Cal-Kit near the balance serves as a reminder to the end-user to perform calibration which, in turn, ensures the accuracy and compliance of the work produced.

## Spend Less

Save money by purchasing only what is needed to calibrate and verify your balance. Some labs do require full-range analytical weight sets, available from 1mg to 5Kg, but if simple balance calibration is all that is required, a Denver Cal-Kit is the ideal option.

## Maximize Balance Accuracy

Denver Instrument has a century-long tradition of quality and innovation in the manufacture of precision mass measurement equipment. The mass standards produced by Denver Instrument are designed to meet or exceed the standards of the American Society of Testing and Materials (ASTM E 617) and the Organization Internationale de Métrologie Légale (OIML R111). Calibrating regularly with the appropriate mass, in the appropriate ASTM Class, ensures that your balance is performing to specification.

Cal-Kit Part No.	Class Tolerance	Mass Standards	Includes	Recommended Denver Instrument Models
CAL35-2	Class 2	30g & 5g	tweezers	IR-35, IR-30
CAL52-U	Ulti-Mass*	50g & 2g	tweezers	S-64, SI-64, TP-64, IR-60, IR-120
CAL105-U	Ulti-Mass*	100g & 5g	tweezers	P-114, PI-114, S-114, SI-114, TP-114, TP-153, TP-153DS
CAL210-U	Ulti-Mass*	200g & 10g	tweezers & glove	P-214, PI-214, P-314, PI-314, PI-225D, P-403, PI-403, P-603, PI-603D, S-234, SI-234, SI-215D, S-403, TP-214, TP-323, TP-323DS
CAL220-1	Class 1	200g & 20g	tweezers & glove	P-203, PI-203, P-402, PI-402, S-203, SI-203, S/SI-402, XP-300, MXX-212, MXX-412, MXX-612, MXX-601, DLT-211, DLT-411
CAL520-2	Class 2	500g & 20g	tweezers & glove	P-602, PI-602, S/SI-602, XP-600
CAL1050-2	Class 2	1kg & 50g	glove	TP-1502, TP-3101, XP-1500
CAL2200-U	Ulti-Mass*	2kg & 200g	glove	P-4002, PI-4002, P-4002D, PI-4002D, S-4002, SI-4002, TP-3102
CAL2200-1	Class 1	2kg & 200g	glove	P-2002, PI-2002, S-2002, SI-2002, S-4001, SI-4001, XP-3000, MXX-2001, DLT-2100, DLT-4100
CAL5200-U	Ulti-Mass*	5kg & 200g	glove	P-8002D, PI-8002D, P-6001, PI-6001, P-8001, PI-8001, S-6002, SI-6002, S-8001, SI-8001, TP-6101, TP-12, MXX-5, MXX-10

\* Ulti-Mass weights are adjusted to NIST Class 0 tolerances.

 **DENVER  
INSTRUMENT**  
Precision laboratory instruments since 1880

6542 Fig St.  
Arvada, Colorado 80004  
800.321.1135  
303.431.7255  
303.423.4831 FAX  
[www.denverinstrumentUSA.com](http://www.denverinstrumentUSA.com)