



Precision you can trust

High accuracy
calibration weights &
weight sets



Care
&
Handling
Guide



INTRODUCTION

Precision weights are highly sensitive measuring standards designed to maintain exceptional accuracy over many years. Proper handling, cleaning, storage, and maintenance are essential to preserve calibration integrity and ensure reliable performance. Following these recommendations will maximize the service life and accuracy of your Poly Weights.



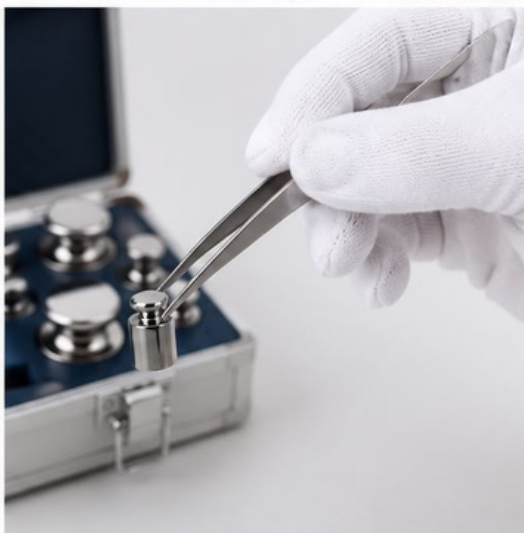
HANDLING INSTRUCTIONS

Never handle precision weights with bare hands. Always use clean cotton or nitrile gloves, or suitable forceps for smaller weights. Lift larger weights using the designated lifting knob or appropriate accessories. Avoid dropping, dragging, or striking the weights against hard surfaces.

Allow weights to stabilize to room temperature before use, especially after transport between different environments.

Best Practices

- Use gloves or forceps
- Avoid fingerprints and contamination
- Prevent shock and vibration
- Handle gently and carefully





CLEANING INSTRUCTIONS

Cleaning Instructions

Clean weights only when necessary. Remove loose dust using a soft microfiber cloth or air blower.

Fingerprints may be removed using a lint-free cloth lightly dampened with high purity isopropyl alcohol. Never use abrasive materials, acids, alkalis, household cleaners, or metal polish, as these can permanently damage the surface.

Recommended

- Microfiber Cloth
- Lint-Free Tissue
- Isopropyl Alcohol (IPA)
- Air Blower





STORAGE INSTRUCTIONS

Always return weights to their original aluminium or wooden storage case immediately after use.

Store them in a clean, dry, dust-free environment away from humidity, corrosive chemicals, magnetic fields, and direct sunlight. Recommended storage conditions are approximately 20°C ±5°C and 40–60% relative humidity.

STORAGE BEST PRACTICES FOR PRECISION WEIGHTS



TEMPERATURE CONTROL

Store in a clean, dry and stable environment. Recommended temperature: 20°C ± 5°C



LOW HUMIDITY

Keep away from moisture and humidity. Recommended: 40% – 60% RH



AVOID DIRECT SUNLIGHT

Protect from direct sunlight, dust and vibrations.



KEEP CLEAN

Ensure weights are clean and dry before storing.



STORE IN CASE

Always store weights in their provided case when not in use.



USE PROVIDED CASE

The case is designed to hold each weight in its designated place to prevent scratches and damage.



HANDLE WITH CARE

Use gloves or tweezers while handling weights to prevent corrosion and contamination.



CABINET STORAGE

Ideal for long-term storage. Keep in a stable and secure environment.



STACK SAFELY

Stack cases carefully without excessive load to prevent damage to the weights.



PROTECTIVE WRAP

Use soft cloth or protective wraps for extra care during handling and storage.



DEDICATED SLOTS

Ensure each weight is placed in its designated slot to avoid scratches and damage.





MAINTENANCE INSTRUCTIONS

Inspect weights regularly for scratches, corrosion, dents, or contamination. Recalibrate weights at suitable intervals according to your quality system or laboratory requirements. Calibration should be performed by a competent laboratory. Maintain calibration certificates and inspection records for complete traceability.

Maintenance Checklist

- Inspect before use
- Clean when required
- Store correctly
- Recalibrate periodically
- Maintain calibration records



MAINTENANCE OF PRECISION WEIGHTS

Proper care ensures accuracy, long life and reliable performance.

BEST PRACTICES



HANDLE WITH CARE

Always handle weights with gloves or tweezers. Avoid touching with bare hands.



KEEP CLEAN

Clean weights regularly using a soft brush or lint-free cloth.



STORE PROPERLY

Always store weights in the provided case when not in use.



CONTROL ENVIRONMENT

Store in a clean, dry and stable environment. Temperature: $20^{\circ}\text{C} \pm 5^{\circ}\text{C}$ and Humidity: 40% – 60%.



AVOID OVERLOADING

Do not exceed the maximum load capacity of the balance.



AVOID CORROSION

Keep weights away from moisture, chemicals and corrosive substances.

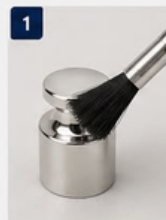


INSPECT REGULARLY

Check for any signs of damage, wear, or dirt before use.

CLEANING PROCEDURE

1



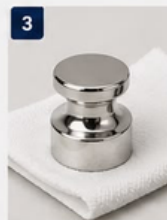
Use a soft brush to remove dust and loose particles.

2



Gently wipe the weight with a lint-free cloth.

3



For stubborn stains, use a slightly damp cloth then dry.

4



Allow to dry completely before storing in the case.

DO'S AND DON'TS

DO'S

- ✓ Use gloves or tweezers.
- ✓ Store in the original case.
- ✓ Clean with soft, lint-free cloth.
- ✓ Handle weights over a soft surface.
- ✓ Keep the storage area dust-free.

DON'TS

- ✗ Do not touch weights with bare hands.
- ✗ Do not use harsh chemicals.
- ✗ Do not drop or place weights carelessly.
- ✗ Do not store in a humid environment.
- ✗ Do not mix different weight sets.

ENVIRONMENTAL CONDITIONS



TEMPERATURE
 $20^{\circ}\text{C} \pm 5^{\circ}\text{C}$



HUMIDITY
40% – 60% RH



KEEP AWAY FROM
DUST, VIBRATIONS
AND DIRECT SUNLIGHT



REGULAR INSPECTION



- Inspect regularly for scratches, wear or damage.
- Ensure weights are clean and shiny.
- Verify weight accuracy periodically with calibration.

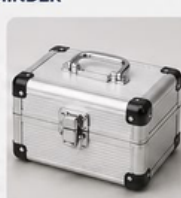
STORAGE REMINDER



Always place each weight in its designated slot.



Ensure the weight is seated properly.



Close the case securely after use.



Store in a stable, dry and secure place.



NOTE: Proper maintenance ensures the accuracy and longevity of precision weights. Treat every weight with care and respect.



GENERAL SAFETY PRECAUTIONS INSTRUCTIONS

- Do not modify or machine the weights.
- Avoid exposure to corrosive chemicals.
- Protect weights from strong magnetic fields.
 - Avoid sudden temperature changes.
- Use approved handling accessories only.



SAFETY PRECAUTIONS FOR PRECISION WEIGHTS

Follow these safety precautions to ensure accurate results, long life of weights and a safe working environment.

KEY SAFETY PRECAUTIONS



HANDLE WITH CARE

Always handle weights with gloves or tweezers. Avoid touching with bare hands.



KEEP CLEAN

Keep weights clean and dust-free. Use a soft brush or lint-free cloth for cleaning.



STORE PROPERLY

Always store weights in the provided case when not in use.



CONTROL ENVIRONMENT

Store in a clean, dry and stable environment.
Temperature: $20^{\circ}\text{C} \pm 5^{\circ}\text{C}$
Humidity: 40% – 60% RH



AVOID OVERLOADING

Do not exceed the maximum load capacity of the balance.

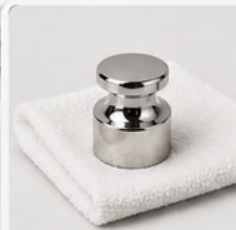
SAFETY RULES



1

USE PROPER TOOLS

Use tweezers or weight tongs to handle weights.



2

HANDLE GENTLY

Avoid dropping or shocking the weights.



3

USE PROVIDED CASE

Always place each weight in its designated slot.



4

USE ON STABLE SURFACE

Use weights on a stable, vibration-free surface.



5

CLEAN REGULARLY

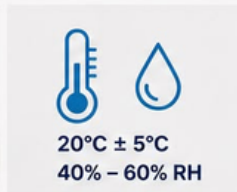
Remove dust and dirt using a soft brush. Do not use harsh or abrasive materials.



6

INSPECT BEFORE USE

Check for any damage, scratches or wear before each use.



7

CONTROL ENVIRONMENT

Maintain recommended temperature and humidity levels.
 $20^{\circ}\text{C} \pm 5^{\circ}\text{C}$
40% – 60% RH



8

DON'T MIX WEIGHT SETS

Do not mix weights from different sets or classes.

DO'S

- ✓ Use gloves or tweezers.
- ✓ Store in the original case.
- ✓ Clean with soft, lint-free cloth.
- ✓ Handle weights over a soft surface.
- ✓ Keep the storage area dust-free.
- ✓ Verify weight accuracy periodically.

DON'TS

- ✗ Do not touch weights with bare hands.
- ✗ Do not use harsh chemicals or solvents.
- ✗ Do not drop or place weights carelessly.
- ✗ Do not store in a humid environment.
- ✗ Do not overload the balance.
- ✗ Do not use damaged or scratched weights.

STORAGE & TRANSPORT PRECAUTIONS



Always store weights in the case.



Keep the case in upright position during transport.



Protect from moisture and water.



Avoid extreme temperature changes.



Avoid shocks and vibrations during transport.



NOTE: Proper care and safe handling ensures the accuracy, reliability and long life of precision weights.



POLY WEIGHTS RECOMMENDATION

For optimum performance, Poly Weights recommends periodic calibration by an accredited calibration laboratory to maintain traceability and measurement confidence. Proper care significantly extends the life of precision weights while ensuring dependable and repeatable measurement results.

POLY WEIGHTS RECOMMENDATION

Precision You Can Trust, Accuracy You Can Rely On.

At Poly Weights, we recommend the right weights and accessories to ensure accurate measurements, long life and safe handling in every application.

WHY CHOOSE POLY WEIGHTS?



HIGH ACCURACY

Manufactured as per international standards with strict quality control.



DURABLE & RELIABLE

Made from high grade stainless steel for long term performance.



WIDE RANGE

From 1mg to 20kg in E1, E2, F1, F2, M1 classes – one stop solution.



CERTIFICATION AVAILABLE

With or without NABL / Traceable Calibration Certificate.



EXPERT SUPPORT

Our team helps you choose the right weights for your application.

OUR RECOMMENDED PRODUCTS



PRECISION WEIGHTS

High accuracy E1, E2, F1, F2, M1 class weights from 1mg to 20kg.



STORAGE CASES

Protect your weights with our premium wooden and aluminium cases.



HANDLING TOOLS

Use tweezers, soft brushes and gloves for safe and accurate handling.



ACCESSORIES

Essential tools like brushes, tweezers and gloves ensure long life and accuracy.



WEIGHING BALANCES

Pair with high quality balances for best measurement results.

OUR RECOMMENDATION FOR YOU



KNOW YOUR NEED

Identify the class, range and quantity of weights as per your balance capacity and application.



INVEST IN QUALITY

Choose Poly Weights for consistent accuracy and better return on investment.



STORE SAFELY

Always store weights in the provided case when not in use to avoid damage.



HANDLE WITH CARE

Use proper tools and gloves. Avoid direct contact with bare hands.



CALIBRATE REGULARLY

Get your weights calibrated periodically to maintain accuracy and compliance.

IDEAL FOR



Laboratories



Pharmaceutical Companies



Industries



Educational Institutions



Calibration Centers

“ We recommend Poly Weights for accuracy, reliability and complete peace of mind.

– Your Partner in Precision

AVAILABLE CLASSES



From 1mg to 20kg

POLY WEIGHTS
Precision • Quality • Trust



High Accuracy



Premium Quality
Stainless Steel



Wide Range
1mg to 20kg



Certification
Available



Safe Packaging
& Global Standards

POLY WEIGHTS
Accuracy in Every Weight.