

Weights



CarePacs®

Affordable

Convenient

Smart



Carefully Designed CarePacs®
for Efficient Routine Testing

METTLER TOLEDO

Revolutionary Approach to Routine Testing

Routine testing by customers of balances and scales is a critical step to ensure precise and accurate weighing results. Balance calibrations by our ISO 17025 accredited service technicians are normally performed once or twice a year. Routine tests performed frequently by customers ensure accurate and reliable weighing procedures between these calibrations.



Cost savings right from the start

CarePacs® only contain two weights – all you need for safe and accurate weighing processes between manufacturer-performed calibrations. This means significant savings on future purchases of CarePacs® compared to the cost of an entire weight set with 20 or more weights.



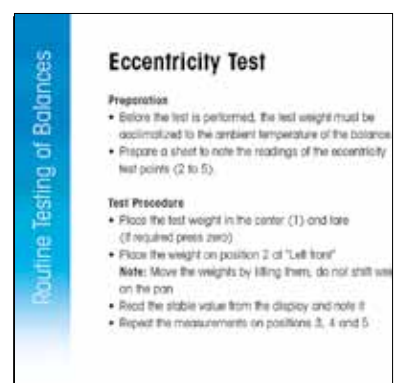
Three sizes of CarePacs® allow testing of balances up to 8 kg weighing capacity. Please consult www.mt.com/weights to quickly find the CarePacs® that fit your balances.



Guaranteed traceability

Recalibration costs for CarePacs® with two weights are much lower compared to costs of an entire weight set, of which only two to three weights are used regularly for testing. To ensure traceability of routine testing, all CarePacs® are delivered with a calibration certificate.

METTLER TOLEDO recommends recalibration of CarePacs® at least once a year at an accredited calibration laboratory.



Time-saving testing approach

Quick and easy-to-use testing approach of process tolerances up to 0.03% supported by manufacturer SOP. SOP are supplied in small handy plastic envelopes and guide users step by step through testing procedures.

Please carefully follow instructions of SOP when performing routine tests.



Good Weighing Practice™ is the first global guideline for the selection, operation and testing of weighing systems.

GWP supports Routine Testing

Routine testing according to GWP® depends on many factors with process tolerances, associated risks and laboratory practices being the most critical ones. Testing should be performed at (or close to) maximum load and at approximately 5% of the weighing range, or according to regulatory requirements.

Factors influencing testing frequency

- Balances without built-in adjustment weight and no regularly performed manufacturer calibration require higher frequency for routine testing.
- Balances without built-in adjustment weight require more frequent testing compared to balances with built-in adjustment mechanism.
- Stringent process tolerances and associated higher risks generally require more frequent testing.



Flexible testing approach with 3rd weight

CarePacs® come with an optional 3rd weight for customer-specific testing, e.g., minimum weight determination or testing at specific testing points. The third weight ranges in nominal value from 1 mg to 100 g.

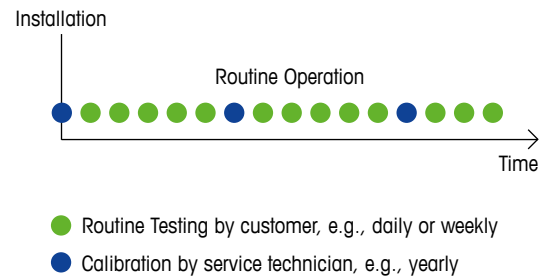
If you have not ordered a 3rd weight together with the initial purchase of the CarePac®, you may order it at any time.



Ergonomic accessories for secure weight handling

Ergonomic accessories such as tweezers and weight forks but also clean room approved gloves and cleaning cloths are standard with each CarePac®. This allows professional weight handling and testing right from the first day without wasting time searching for the right tools.

All accessories may be ordered separately for professional handling of all OIML or ASTM knob weights.



Customer Benefits with Good Weighing Practice™

- More efficient testing
- Reduced measurement deviations
- Higher process safety

An Extensive Weight Portfolio at a Reasonable Cost

Whether you need weights in the mg range for routine testing of micro balances or larger weights in highest accuracy classes for mass determination, METTLER TOLEDO's comprehensive weight portfolio offers the matching solution for your very specific requirement.



Laboratory Weights

- Single weights and weight sets
- 1 mg – 50 kg, OIML Classes E1, E2, F1, F2, M1
- 1 mg – 20 kg, ANSI/ASTM Classes 1,4
- Vacuum melted steel for highest material purity and long term stability
- Smooth surfaces through unique electrolytic adjustment process
- Computer controlled weight calibrations performed by robots result in lowest uncertainty values



Industrial Weights

- 1 kg – 5 tons, OIML Classes F1, F2, M1, M2, M3
- 20 lb – 1000 lb, NIST Class F
- Best price-benefit ratio of cast iron weights
- Stainless steel weights for highest quality requirements in regulated industries
- Stackable weights with calibrated and certified carrier
- Heavy capacity weights for save stacking and handling



Calibration Services

- All METTLER TOLEDO Mass Labs accredited for weight calibration according to ISO 17025
- Cleaning, calibrating, and adjusting of weights
- Reporting of conventional mass correction, uncertainty and traceability

For quotes or technical information regarding weights, please contact your local METTLER TOLEDO organization or use the email address: weights@mt.com

www.mt.com/weights

For more information

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Subject to technical changes
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