FIELD TEST SCALE

Models 2400-11 and 2400-12

Instruction Manual

DESCRIPTION

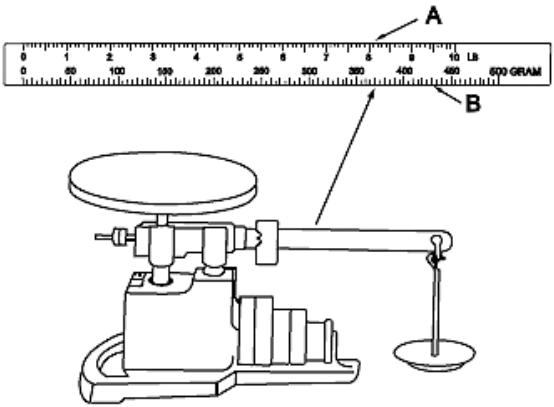
The Field Test Scale is a very compact design and provides accurate weighings of a wide variety of heavy materials, even under the most adverse conditions. Applications include: road constructions sites, weighing of soil samples, archaeological samples, and mineral samples. The Field Test Scale is ruggedly built and designed for field applications where accurate measurements must be made. The large stabilized pan will hold oversized samples without tipping, and the weighted base keeps the entire scale rock steady.

Model 2400-11 permits readings up to 500 g taken from a single sliding weight beam with a readability of 5 g. A set of slotted weights, stored in the base, extend the capacity up to 16 kg.

Model 2400-12 has a capacity of 36 lb with a readability of 0.01 lb.

SCALE COMPONENTS

The Field Test Scale is equipped with a universal beam, graduated in both avoirdupois
(A) and metric (B) calibrations. The appropriate scale to be used is determined by the attachment weight calibration (avoirdupois or metric). Beam graduations are shown below.



UNPACKING AND ASSEMBLING THE FIELD TEST SCALE

Carefully remove the Field Test Scale from the carton.
Place the scale on a flat level surface and remove packaging material from the scale.
Remove the weight hanger, weight set and platform from carton.
Place attachment weight hanger in loop and weights on weight rack as shown in figure below.
Carefully assemble the platform to the top of the threaded post.
The Field Test Scale is now ready for use and should look like figure below.

WEIGHING

1. Set the scale on a reasonably level surface. The level condition is not critical; however, it should not be obviously badly out of level.
2. The scale is in balance when the beam oscillates between the limiting stops. Adjust the zero balance before beginning to use the scale so that the beam will oscillate in that manner, that is with the poise set to the left side of the beam. For adjustments to zero the scale, turn the balance compensation weights on the left end of the beam (knurled nuts).
3. To weigh, place the object on the pan, slide the poise on the beam to a position to cause the beam to oscillate between the stops. If the item being weighed exceeds the beam capacity, add sufficient slotted attachment weights to cause the end of the beam to move down. Then slide the poise back on the beam until a balanced condition is achieved. The weight is the value of the total accumulation of attachment weights plus the value read from the position of the poise on the beam.

TRANSPORTING THE SCALE

The Field Test Scale is portable and can be moved from place to place without damage. A handle has been provided in the back edge of the base. When transporting the scale, pick it up by the handle, not by the scale beam or the platform pan assembly. Be sure to remove the attachment weights and the attachment weight hanger before picking up the scale.

CARE AND MAINTENANCE

With reasonable care, your Field Test Scale can be kept in good working order.

1. Avoid severe impacts to the platform or the beam.
2. Keep the scale clean. Foreign material should not be permitted to accumulate in the pivot and bearing areas.
3. Never apply oil or any lubricant to the pivots or bearings.

REPLACEMENT PARTS

Contact Ohaus Corporation or your authorized dealer.

SERVICE INFORMATION

For Service assistance in the United States, please call Ohaus Corporation toll-free at (800) 526-0659. An Ohaus Product Service Specialist will be available to help you.

LIMITED WARRANTY

Ohaus products are warranted against defects in materials and workmanship from the date of delivery through the duration of the warranty period. During the warranty period Ohaus will repair, or, at its option, replace any component(s) that proves to be defective at no charge, provided that the product is returned, freight prepaid, to

Ohaus Corporation.

This warranty does not apply if the product has been damaged by accident or misuse, exposed to radioactive or corrosive materials, has foreign material penetrating to the inside of the product, or as a result of service or modification by other than Ohaus. In lieu of a properly returned warranty registration card, the warranty period shall begin on the date of shipment to the authorized dealer. No other express or implied warranty is given by Ohaus Corporation. Ohaus Corporation shall not be liable for any consequential damages.

As warranty legislation differs from state to state and country to country, please contact Ohaus or your local Ohaus dealer for further details.

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