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OHAUS SCALE BASES

Instruction Manual





This device corresponds to requirements stipulated in 90/384/EEC and features radio interference suppression in compliance with valid EC Regulation 89/336/EEC. Note: The displayed value may be adversely affected under extreme electromagnetic influences, eg. when using a radio unit in the immediate vicinity of the device. Once the interference has been rectified, the product can once again be used for its intended purpose. The device may have to be switched on again.

Cet appareil correspond aux exigences selon la norme 90/384/CEE et est déparasité conformément à la directive de la CE 89/336/CEE en vigueur. Remarque: Dans des conditions d'influences électromagnétiques extrêmes, par exemple en cas d'exploitation d'un appareil radio à proximité immédiate de l'appareil la valeur d'affichage risque d'être influencée. Une fois que l'influence parasite est terminée, le produit peut être de nouveau utilisé de manière conforme aux prescriptions; le cas échéant, il est nécessaire de le remettre en marche.

Dieses Gerät entspricht den Anforderungen nach 90/384/EWG und ist funkentstört entsprechend der geltenden EG-Richtlinie 89/336/EWG. Hinweis: Unter extremen elektromagnetischen Einflüssen z.B. bei Betreiben eines Funkgerätes in unmittelbarer Nähe des Gerätes kann eine Beeinflussung des Anzeigewertes verursacht werden. Nach Ende des Störeinflusses ist das Produkt wieder bestimmungsgemäss benutzbar, ggfs. ist ein Wiedereinschalten erforderlich.

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INTRODUCTION

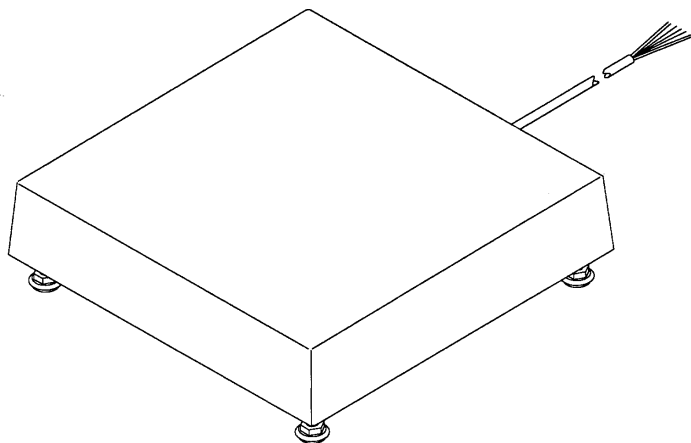
This manual covers installation, maintenance, replacement parts and service information for Ohaus Scale Bases. The following table lists the model numbers and capacities.

PAINTED	STAINLESS	ALL STAINLESS	CAPACITY	
<u>MODEL</u>	<u>MODEL</u>	<u>MODEL</u>	kg	lb
B10P	B10S	B10AS	10	25
B25P	B25S	B25AS	25	50
B50P	B50S	B50AS	50	100
B100P	B100S	B100AS	100	200
B150P	B150S	B150AS	150	300
B250P	B250S	B250AS	250	500

To ensure proper operation of the Ohaus Scale Base, please read this manual completely.

DESCRIPTION

Ohaus Scale Bases are available in three types of construction and are ruggedly built with overload protection to take the rough handling encountered in an industrial environment, yet remain highly precise. Each type is available with platform sizes of 12" x 12", 18" x 18" and 24" x 24". Models with a P suffix are constructed with steel platforms, painted black. Models with an S suffix have stainless steel platforms. The 12" x 12" frames used on Models with P and S suffixes are painted aluminum. The 18" x 18" and 24" x 24" frames on Models with P and S suffixes are painted steel. Models with an AS suffix are constructed entirely of stainless steel and are suitable for washdown applications. The load cells used in all Ohaus Scale Bases are made of aluminum and are of a single point, bending beam design. These scale bases are designed to interface with Ohaus electronic indicators and work with other compatible indicators as well.



Typical Ohaus Scale Base

UNPACKING

Carefully unpack and remove the Scale Base from the packing material.

CAUTION

Remove the shipping screws located on the top and bottom of the Ohaus Scale Bases. Refer to figures of Scale Bases on page six.

NOTE: It is recommended that you save the packing material and shipping screws. They will be of value when storing and/or transporting the Scale Base.

INSTALLATION

Load Cell Cable Connections to Weight Indicators

The load cell cable must be connected to the terminal block of the indicator. Following the instructions provided with the indicator, wire the load cell cable to the terminal block of the indicator. Refer to the table below.

If the indicator does not have sense capability, connect the +sense wire to the +excitation wire and -sense wire to the -excitation wire.

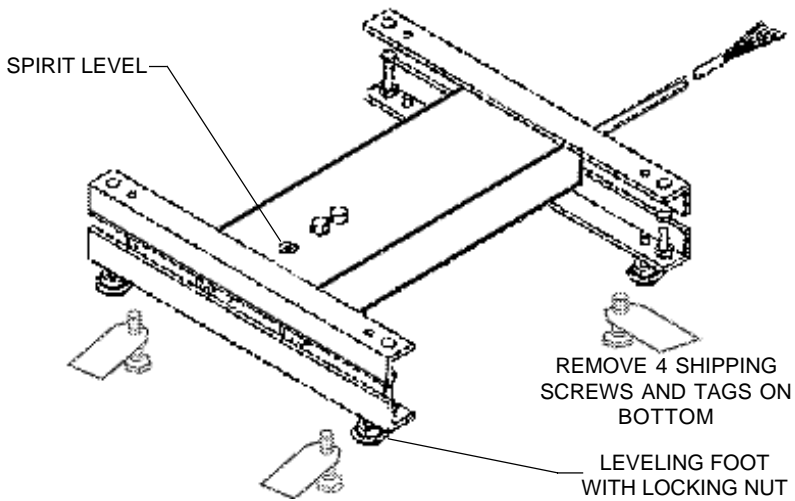
+ Excitation Green	- Excitation Black
+ Output Red	- Output White
+ Sense Blue	- Sense Brown
Shield Bare or Yellow	

Leveling the Scale Base

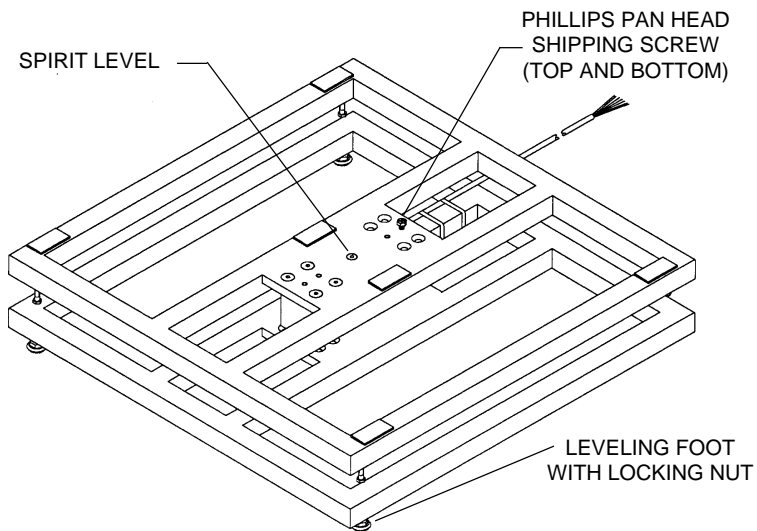
1. Place the Scale Base in the intended use location on a stable, level surface.
2. Remove the Platform from the top of the Scale Base to expose the circular Spirit Level mounted in the top of the frame. See illustrations on page 6.
3. If the bubble is not centered in the scribed circle of the Spirit Level, loosen the Locking Nuts and adjust the Leveling Feet, either by hand or using an open ended wrench, until the bubble is centered.

NOTE: Ohaus Scale Bases are equipped with Leveling Feet which have provisions for using a wrench. This allows the Scale Base to be leveled without raising it to gain access to the Leveling Feet.

4. Tighten the Locking Nuts and replace the Platform.



12" x 12" and 18" x 18" Ohaus Scale Base (Platform Removed)



24" x 24" Ohaus Scale Base (Platform Removed)

Calibration

Refer to the Indicator Instruction Manual for system calibration procedure.

CARE AND MAINTENANCE

To keep the Ohaus Scale Base operating properly, it should be kept free from foreign materials. If necessary, a cloth dampened with water and a mild detergent may be used to clean models with a P or S suffix. Models with an AS suffix may be washed down with a hose. Wipe the unit dry with a soft cloth.

REPLACEMENT PARTS

OHAUS
Part No.

Painted Steel Platforms for Models:

B10P, B25P, (12" x 12")
78168-21 B50P, B100P (18" x 18")
78168-22 B150P, B250P (24" x 24")
78168-23

Stainless Steel Platforms for Models:

B10S, B10AS, B25S, B25AS (12" x 12") 78168-01
B50S, B50AS, B100S, B100AS (18" x 18") 78168-02
B150S, B150AS, B250S, B250AS (24" x 24") 78168-03

Adjustable Foot for Models:

B10S, B10P, B10AS, B25S, B25P, B25AS, B50S, B50P
B50AS, B100S, B100P, B100AS 76635-02
B150S, B150P, B150AS, B250S, B250P, B250AS 76635-03

Load Cells for Models:

B10P 78200-02
B10S, B10AS 78200-12
B25P 78200-03
B25S, B25AS 78200-13
B50P 78200-04
B50S, B50AS 78200-14
B100P 78200-05
B100S, B100AS 78200-15
B150P 78200-06
B150S, B150AS 78200-16
B250P 78200-07
B250S, B250AS 78200-17

ACCESSORIES FOR CD- INDICATORS

Tower Accessory Kit 80250632
Base Mount Accessory Kits
Indicator CD-11 80250686
Indicator CD-33 80250634

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.

SPECIFICATIONS

MODEL		B10P	B25P	B50P	B100P	B150P	B250P
Capacity	(lb)	25	50	100	200	300	500
	(kg)	10	25	50	100	150	250
Readability (Non type approved)	(lb)	0.002	0.005	0.01	0.02	0.02	0.05
	(kg)	0.001	0.002	0.005	0.01	0.01	0.02
Readability* (Type approved)	(lb)	0.01	0.02	0.05	0.1	0.2	0.2
	(kg)	0.005	0.01	0.02	0.05	0.1	0.1
Repeatability (Std. dev.)†		± 0.01%					
Linearity†		± 0.03%					
Safe overload capacity†		150%					
Load cell excitation (V dc)		5 to 15					
Operating temperature range		14° to 104°F/-10° to 40° C					
Scale base size (WxDxH) (in/cm)		12 x12 x 3.4/ 30 x 30 x 8.6		18 x 18 x 3.6/ 45 x 45 x 9.1		24 x 24 x 5.8/ 60 x 60 x 14.8	
Scale base construction		Painted steel					
Platform							
Frame		Painted aluminum		Painted steel			
Net weight (lb/kg)		10/4.5		35/16		71/32	
Shipping weight (lb/kg)		13/6		42/19		82/37	



Model
B10P
B25P
B50P
B100P
B150P
B250P

NIST Handbook 44 Class III
14° to 104°F/-10° to 40° C
NTEP No. 95-151
n_{max} 2500
n_{max} 2500
n_{max} 2500
n_{max} 2000
n_{max} 1500
n_{max} 2500

* In type approved applications, readability is limited to capacity/n_{max}.

† Specifications are given as a percent of the rated load.

SPECIFICATIONS

MODEL		B10S	B25S	B50S	B100S	B150S	B250S
Capacity	(lb)	25	50	100	200	300	500
	(kg)	10	25	50	100	150	250
Readability (Non type approved)	(lb)	0.001	0.002	0.005	0.01	0.01	0.02
	(kg)	0.0005	0.001	0.002	0.005	0.005	0.01
Readability * (Type aproved)	(lb)	0.005	0.01	0.02	0.05	0.1	0.1
	(kg)	0.002	0.005	0.01	0.02	0.05	0.05
Repeatability (Std. dev.) [†]		± 0.01%					
Linearity [†]		± 0.02%					
Safe overload capacity [†]		150%					
Load cell excitation (V dc)		5 to 15					
Operating temperature range		14° to 104°F/-10° to 40° C					
Scale base size (WxDxH) (in/cm)		12 x12 x 3.4/ 30 x 30 x 8.6		18 x 18 x 3.6/ 45 x 45 x 9.1		24 x 24 x 5.8/ 60 x 60 x 14.8	
Scale base construction							
Platform		Stainless steel					
Frame		Painted aluminum		Painted steel			
Net weight (lb/kg)		10/4.5		35/16		71/32	
Shipping weight (lb/kg)		13/6		42/19		82/37	



Model
B10S
B25S
B50S
B100S
B150S
B250S

NIST Handbook 44 Class III
14° to 104°F/-10° to 40° C
NTEP No. 95-151
 n_{\max} 5000
 n_{\max} 5000
 n_{\max} 5000
 n_{\max} 5000
 n_{\max} 3000
 n_{\max} 5000

^{*} In type approved applications, readability is limited to capacity/ n_{\max} .

[†] Specifications are given as a percent of the rated load.

SPECIFICATIONS

MODEL		B10AS	B25AS	B50AS	B100AS	B150AS	B250AS
Capacity	(lb)	25	50	100	200	300	500
	(kg)	10	25	50	100	150	250
Readability	(lb)	0.001	0.002	0.005	0.01	0.01	0.02
(Non type approved)	(kg)	0.0005	0.001	0.002	0.005	0.005	0.01
Readability *	(lb)	0.005	0.01	0.02	0.05	0.1	0.1
(Type aproved)	(kg)	0.002	0.005	0.01	0.02	0.05	0.05
Repeatability (Std. dev.)†		± 0.01%					
Linearity†		± 0.02%					
Safe overload capacity†		150%					
Load cell excitation (V dc)		5 to 15					
Operating temperature range		14° to 104°F/-10° to 40° C					
Scale base size (WxDxH) (in/cm)		12 x12 x 3.4/ 30 x 30 x 8.6		18 x 18 x 3.6/ 45 x 45 x 9.1		24 x 24 x 5.8/ 60 x 60 x 14.8	
Scale base construction							
Platform		Stainless steel					
Frame		Stainless steel					
Net weight (lb/kg)		10/4.5		35/16		71/32	
Shipping weight (lb/kg)		14/6		42/19		82/37	



Model
B10AS
B25AS
B50AS
B100AS
B150AS
B250AS

NIST Handbook 44 Class III
14° to 104°F/-10° to 40° C
NTEP No. 95-151
n_{max} 5000
n_{max} 5000
n_{max} 5000
n_{max} 5000
n_{max} 3000
n_{max} 5000

* In type approved applications, readability is limited to capacity/n_{max}.
† Specifications are given as a percent of the rated load.

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.

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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