
H506

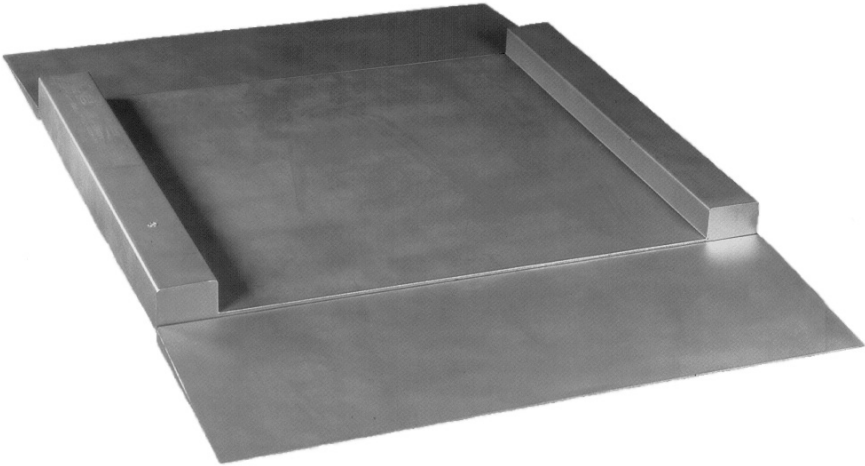
Low Profile Drive Through Platform Scale

User and Service Instructions

Avery Weigh-Tronix



**THE H506 LOW PROFILE DRIVE THROUGH
PLATFORM SCALE**



SAFETY WARNINGS

The smooth surface of this machine may present a safety hazard. This may occur if it becomes contaminated by, for example, oil, grease or water, thereby providing less grip than normal.

The shallow raised profile of the platform and loading ramps could present an obstruction hazard.

All personnel who have access to this machine should be warned of the above potential hazards. We recommend the provision of appropriate warning notices, for example, “Beware, Ramp, Slippery Surface” and/or guarding of the area by physical barrier or high-visibility floor markings.

Static discharge hazard

If the platform is fitted with rubber insulating feet, when used in a hazardous area there may be a static discharge hazard under one or more of the following conditions:

- Difference in potential between the platform and the floor / supporting surface (i.e. bench) caused by an electrical fault in other equipment / installation.

To overcome this an adequate earth bond must be provided between the platform and earth.

- If the platform has or is fitted with a plastic top the movement of the plastic top itself or insulated parts across the plastic top could cause static to build up.

To overcome this the metal base of the platform should be earth bonded. For platforms that must be moved for cleaning then one foot could be replaced by an all-metal type on a conductive floor.

- Where a platform is considered to be portable and can be dragged across an insulated floor then static charge could build up.

To overcome this the platform could be permanently fixed to the floor so it cannot move.

If the platform has to be moved (for cleaning for example) then a flexible earth bonding conductor should be connected to the platform so that a static charge cannot build up as the platform is moved.

DESCRIPTION

The H506 is a self-contained, surface mounted, portable, drive through platform scale. It has an ultra low profile and is easy to clean. The H506 is able to connect to all Avery Weigh-Tronix indicators.

The H506 consists of a mild steel fabricated platform with a smooth finish. At each corner a beam type Avery Weigh-Tronix precision load cell is fixed. The load cells have integral cables which are terminated in a waterproof (IP65) terminal box located within the platform structure.

A 5 m cable, from the terminal box to the indicator, provides a single load cell input and is either terminated in a D-type waterproof connector or is left unterminated, to suit.

At the free end of each load cell is a foot which incorporates a height adjustment of between 5 mm and 10 mm, depending on the load cell option. No external platform restraint is required.

Free standing ramps may be provided, with a location for the load cell feet to ensure correct positioning.

Options are:

- Platform fabricated in Grade 316 stainless steel with a plain finish.
- Intrinsically safe load cells.
- High resolution option to 6,000 divisions or two-range AVR with Avery Weigh-Tronix load cells and indicator.
- Ramps in mild or stainless steel.
- 10 m interconnecting cable.

SPECIFICATION

Capacities and strengths

When used with intrinsically safe indicators please refer to the indicator specification sheet for minimum increment sizes.

The number and weight value of the digital increments must have regard to Local Weights and Measures regulations if stamping is required.

Mild Steel and Stainless Steel Platforms			
Platform Size	600 kg	1500 kg	3000 kg
1 m x 1 m	●	●	
1.25 m x 1.25 m	●	●	●
1.5 m x 1.5 m		●	●
Load Cell	250 kg (mild steel) 300 kg (stainless)	500 kg	1000 kg
Capacities	600 kg x 0.2 kg	1500 kg x 0.5 kg	3000 kg x 1.0 kg

Finish

Mild steel platforms: primed with all external surfaces finished with dark grey stove enamelled paint.

Stainless steel platforms: aluminium oxide bead blasted.

Approvals

All data relating to the performance of the machine meets and exceeds requirements of EN45501 : 1992 European Approval ('E' Approval) Accuracy Class III machines.

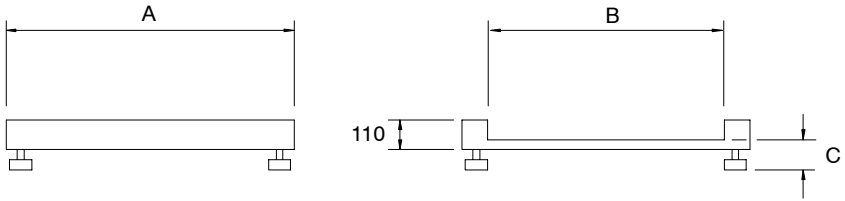
Environment

Operating temperature: -10°C to $+40^{\circ}\text{C}$ (ambient)

Storage temperature: -10°C to $+60^{\circ}\text{C}$ (ambient)

Resistance to dirt and moisture: hoseproof and sealed to IP65

Dimensions

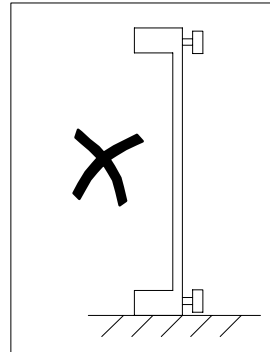


Platform Size A x B	C 600 kg Capacity	C 1,500 kg Capacity	C 3,000 kg Capacity
1 m x 1 m	40 mm	45 mm	60 mm
1.25 m x 1.25 m	40 mm	45 mm	60 mm
1.5 m x 1.5 m	45 mm	45 mm	60 mm
Ramp Length	300 mm	500 mm	500 mm

INSTALLATION

Caution:

In transit and during installation it is important to ensure that the platform is not rested on its side or end as this will put excessive side loads onto the foot assemblies and load cells. See also LIFTING on Page 7.



The H506 can be used on any reasonably flat surface, for example, concrete.

1

Place the machine on a level surface and, using the platform's level indicator as a guide, adjust the feet as necessary. Make sure that all four feet touch the ground.

2

Fit ramp or ramps to machine. The locator of each ramp fits around the load cell foot. There is a factory setting of a 5 mm gap on the ramp. The ramp with the right-hand side face missing will always have the junction box to the right; this is for the cable outlet. If the gap is incorrect or the ramp does not fit correctly the ramp can be adjusted by undoing the locator bolts and repositioning.

Where only one ramp is used it should be fitted with the junction box to the right.

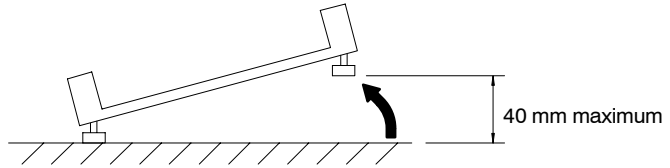
3

Connect indicator. Where indicator is supplied with the machine there will be no need to calibrate. If calibration is necessary refer to the instrumentation manual.

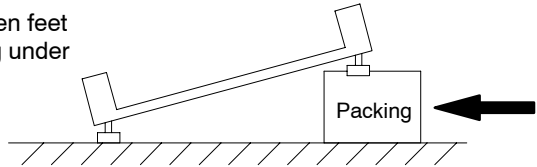
LIFTING

When tipping the machine on to its side carry out the following procedure to ensure that the weight of the machine is taken on the platform and not the feet.

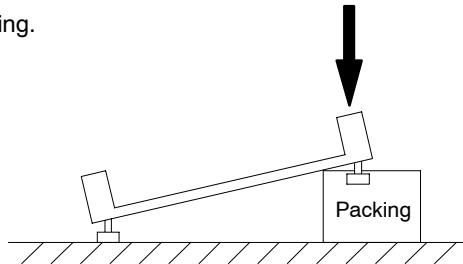
- 1** Lift one side to a maximum height of 40 mm.



- 2** Place packing between feet (do not place packing under feet).

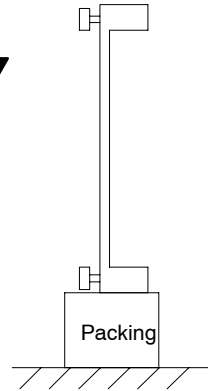


- 3** Lower platform onto packing.



4

Lift opposite side to required position.



OPERATION

Caution:

Do not exceed the platform's maximum load and do not point load the centre of the platform.

Wheel container onto platform making sure item to be weighed is fully on the machine and is not touching any of the ramps.

Zero balance

The instrumentation has a 'zero tracking' device so that balance adjustment is only necessary after a sudden change, for example, after a spillage.

If the normal balance range is exhausted or the zero balance unstable contact your local Avery Weigh-Tronix service centre.

INSTRUMENTATION

Separate detailed User Instructions are provided to describe the instrumentation operator controls for your installation, but the following general points should be noted:

- It is recommended that the power to the instrumentation is not switched off.
- Unless otherwise stated a dry, clean area should be provided.

CLEANING

Clean your machine regularly.

The machine may be hosed down but direct hosing of the junction box, load cells and connectors should be avoided.

To maintain the surface finish of the machines the use of harsh abrasives is not recommended.

ROUTINE CHECKS

Check regularly that there is nothing trapped underneath or between ramp and platform as this will impair the weighing cycle.

The address of your Avery Weigh-Tronix centre is:



This document contains a general guide only of the product and shall not form part of any contract unless specifically agreed by Avery Berkel Limited in writing in each case on the Order Acknowledgement. The specification of the products described herein may vary from time to time and may be altered without notice. Avery Weigh-Tronix is a trading name of Avery Berkel Limited.

UK

Avery Weigh-Tronix
Foundry Lane, Smethwick
West Midlands, England B66 2LP

Tel: +44 (0) 870 903 4343
Fax: +44 (0) 121 224 8183

Email: info@awtxglobal.com
Website: www.averyweigh-tronix.com

Avery Weigh-Tronix

USA

Avery Weigh-Tronix
1000 Armstrong Dr.
Fairmont MN 56031 USA

Tel: +1 507-238-4461
Fax: +1 507-238-4195

Email: industrial@weigh-tronix.com
Website: www.averyweigh-tronix.com
