

Multi-purpose platform scale.

*Technical Specification*

## DESCRIPTION

In response to the growing need for hygienic platform scales, the H530 was designed to adhere to strict washdown requirements in harsh environments including food processing applications. The H530 is fitted with four robust shear beam load cells which provide tough protection against foreign matter including bacteria, food and other kinds of debris. The H530's high uptime is a key reason for its continued industry dominance – an important consideration for businesses looking to eliminate costly downtime while optimising operations. The platform can be supplied as either a surface or pit mounted system.

## DESIGN

**Designed for heavy wash down environments** – The H530's stainless steel construction makes it ideal for harsh conditions. The platform includes a full hygienic design for wash down requirements in industries such as food processing. Key components including the shear beam load cells and junction box are solidly sealed and protected against water or debris to IP67.

**Ideal for a range of applications** – The H530 comes in a number of dimensions and capacities to suit a diverse range of applications. From a compact 600 kg, 750 mm up to a 3000 kg, 1500 mm, the H530 is available in a range of sizes.

**Custom sizes** – For sizes not available as a standard product, we offer bespoke options which can be ordered as a special build. Dimensions can be modified in 10 mm increments to suit numerous applications or fit existing, imperial-sized pits.

**Safe and easy to load** – The H530 combines a stable, heavy-duty construction with a low platform height to make loading fast, simple and safe. Optional ramps can be fitted to opposite sides so loads can be wheeled easily on and off the scale. Pit frames are also available as options which protect the edge of the pit and improve load handling.

**Outstanding accuracy** – The H530's proven shear beam load cells are designed to provide high accuracy and repeatability through periods of extensive use. Shear beam load cells are highly rugged devices capable of operating in extreme environments. They provide exceptional resistance to side and shock loads and are environmentally sealed to ensure long term reliability.

**Compatible with digital instruments** – The H530 can be installed with a range of Avery Weigh-Tronix digital indicators and printers, providing much needed information at your finger tips.

**ATEX option** – For applications in classified hazardous zones where there is risk of explosion, the H530 can be supplied with ATEX- approved shear beam load cells and linked to a mains or battery-driven Avery Weigh-Tronix intrinsically safe indicator.

**Tread plate deck** – The top plate on the deck and ramp surface is available as an option in a four way tread design, providing higher traction than non-checked designs in wet and slippery conditions.

**Serviceability** – Hidden under an easy to remove access plate, the moisture proof stainless steel junction box can be easily accessed for servicing and remains well protected from potential damage when in use. The design also gives added protection to the load cells and cables, eliminating risk of damage.

## SPECIFICATIONS

### Maximum Strengths

Unless otherwise stated, the maximum strength signifies that the platform will carry this loading evenly distributed over the platform area. Axle loads must not exceed 55% of platform strength applied over two footprints at 10 Bar with footprint spacing equal to half of platform minimum dimension, as detailed below.

### Capacities and Strengths

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

## PIT MOUNTED

Maximum Strength (kg)	Platform Sizes (mm)	Load Cell Capacity (kg)	Wheel Load (kg)
Up to 600 kg 600 x 0.2/0.1	750 x 750	220	165
	1000 x 1000	220	165
Up to 3000 kg 3000 x 0.5 / 0.1	1000 x 1000	850	825
	1250 x 1000	850	825
	1250 x 1250	850	825
	1500 x 1250	850	825
	1500 x 1500	850	825
	1800 x 1250	850	825
	2000 x 1500	850	825
	2000 x 2000	850	825
	2500 x 1500	850	825

## SURFACE MOUNTED

Maximum Strength (kg)	Platform Sizes (mm)	Load Cell Capacity (kg)	Wheel Load (kg)
Up to 600 kg 600 x 0.2/0.1	600 x 600	220	165
	750 x 750	220	165
	800 x 800	220	165
	1000 x 1000	220	165
Up to 3000 kg 3000 x 0.5 / 0.1	1000 x 1000	850	825
	1200 x 1000	850	825
	1200 x 1200	850	825
	1500 x 1200	850	825
	1500 x 1500	850	825
	1800 x 1200	850	825
	2000 x 1500	850	825

### Construction

Grade 304L (BS1449 part 2; Euronorm 88) stainless steel construction throughout the platform.

### Finish

Hygienic bead finish blast.

### Lifting & Repositioning

The H530 may be lifted or moved by inserting two M16 lifting eye bolts into the M16 diagonal holes in the top plate of the platform.

### Approvals

All data relating to the performance of the platform meets and exceeds the requirements of EN 45501: 1992 European approval (EC approval) Accuracy Class III.

### Environment

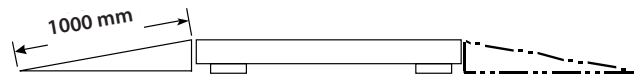
- › Operating Temperature: -10° C to 40° C
- › Storage Temperature: -10° C to 60° C
- › Resistance to Dirt and Moisture: Hoseproof and sealed to IP67

## OPTIONS

**Custom Sizes:** Platforms can be supplied in 10 mm step increments from the minimum size to the maximum size in each platform strength.

**Accommodation for Eccentric Pre-Load:** A summation board can be fitted into the junction box to provide output matching. This will be supplied at additional cost.

**Intrinsically Safe:** Intrinsically safe versions (ATEX approved) for hazardous areas, are available in all sizes. Intrinsically safe versions are supplied at additional cost.



**Ramp:** Up to 2 x 1000 mm long ramps can be positioned and fixed at opposite sides of the platform. Ramps supplied at additional cost.

**Alternative Finishes:** Custom finishes can be supplied at additional cost. Specification must be supplied for approval and quotation.

**Pit Frame Kit:** Fully assembled pit mounting kit including foot location are available for all sizes at additional cost.

**Cable:** The platform is supplied with a 3 m cable.

### Platform Height:

- › Pit mounted 120 mm
- › Surface mounted 75 mm (2 m x 1.5 m = 85 mm)

# Avery Weigh-Tronix

[www.averyweigh-tronix.com](http://www.averyweigh-tronix.com)

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