Avery Weigh-Tronix

Avery One Sentry

Touch Screen Driver Operated Console (D.O.C.) for Unmanned Weighbridges

NEW 2026



Keep your weighbridge open 24/7.

Technical Specification

DESCRIPTION

The Avery One Sentry touch screen driver operated console (D.O.C.) keeps your weighbridge running around the clock, without an operator in constant attendance. Run it as a stand alone system operated entirely by drivers, or as part of a staffed weighbridge extended for out of hours weighing. Driver data entry is set by your configuration and by identification devices such as ANPR, RFID cards and barcode or QR scanners.

The Avery One Sentry runs Avery Weigh-Tronix Weighman 8 weighbridge software with desktop mimic. A standby operator can display driver prompts when needed, and office administrators or controllers can take control of the weighbridge from the weigh cabin or a remote office.

It replaces the TS-DOC, keeping its proven functions while upgrading the screen, the computer, on site integration and configurability.

FEATURES AND BENEFITS

15.6" Full HD touch screen: Sunlight readable, anti glare and adaptive brightness. 50% larger than the TS-DOC with 5.4 times the pixels.

Windows 11 IoT Enterprise LTSC: A modern, long support platform for easier software updates, security and remote diagnostics.

Integrated networking and I/O: 8 port PoE+ switch and I/O built into the stand. Fewer external boxes, less wiring, faster installation.

RGB status light: At a glance system and transaction status for drivers and site staff.

Compact, weatherproof enclosure: Powder coated stainless steel with lockable doors and a sloped weather hood, around 53% smaller than before.

Flexible mounting: Dual height for HGVs and vans, pedestrian height or wall mount.

Modular options: Card reader and intercom are selectable, so you specify only what your site needs.

Fraud prevention: Links directly into Avery One Protect anti fraud detection.

Printer: Thermal ticket printer with Serial, USB or Ethernet gives every driver a record of the transaction.

STANDARD FEATURES

- CE approved and certificated
- Powder coated stainless steel weatherproof enclosure: H732.5 x W363.5 x D230.5 mm
- 15.6" colour touch screen, Full HD 1920 x 1080, sunlight readable
- Windows 11 IoT Enterprise LTSC PC: Intel N97, 8 GB RAM, 256 GB
- Integrated 8 port PoE+ network switch
- Integrated I/O for vehicle marshalling
- Integrated RGB status light
- Internal Weights and Measures approved 120,000 record data archive
- Weighman 8 software with office mimic
- Thermal printer: Serial, USB or Ethernet
- SQL database with CSV export
- Power requirements: 110 to 240 V



Avery One Sentry *Technical Specification*

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AVERY ONE SENTRY OPTIONS

- Traffic lights
- Barriers
- Positional photo electric cells
- ANPR cameras
- CCTV integration
- Induction loops
- Signature capture
- Long range RFID tag reader
- RFID card reader
- Barcode and QR scanner
- Intercoms: analogue or IP
- Managed PoE+ switch
- Dual height, pedestrian or wall mount
- Avery One Protect fraud prevention
- Second screen extension mount

SPECIFICATIONS AND CONFIGURATIONS

GENERAL FUNCTION	AVERY ONE SENTRY
Colour touch screen	15.6" Full HD 1920 x 1080, sunlight readable
Interactive	Yes
Dual height	Yes
Pedestrian height and wall mount	Option
Stand alone operation	Yes (integral)
Computer	Windows 11 IoT Enterprise LTSC, Intel N97, 8 GB, 256 GB
Networking	Integrated 8 port PoE+ (managed option)
Status indication	Integrated RGB LED
WEIGHBRIDGE CONTROLS	
Weigh cabin based weighbridge controls	Yes
Driver operated weighbridge control	Yes
Driver operated weighbridge bi directional	Yes
Single weighbridge in and out function	Yes (bi directional)
Dual bridge	Yes
Printer	Thermal, Serial, USB or Ethernet
SYSTEM FUNCTIONS	
Configurable operation sequence	Yes
No. of vehicle stored IDs	1000+
No. of vehicle first weighings	1000+
No. of product codes	1000+
W&M; archive	Yes (120,000 records)
PERIPHERAL CONTROL	
Traffic light control	Yes
Barrier control	Yes
Induction loop	Yes (x2)
Photo sensors	Yes
ANPR	Option
Card reader	Option
Intercom (analogue or IP)	Option
Signature capture	Yes
Image capture	Yes
Avery One Protect link	Yes
DATABASE FUNCTIONS AND CONTROL	
SQL database	Yes
CSV export	Yes
Office emulation (mimic)	Yes
Configurable database	Yes

CONFIG 1



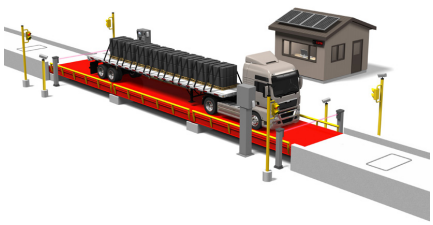
Uni directional weighbridge with D.O.C., barriers and ANPR

CONFIG 2



Bi directional weighbridge with D.O.C.s, barriers and ANPR

CONFIG 3



SUPPORTED BY ONE UK TEAM

97% uptime guarantee on BridgeCare Total, with a financial rebate if missed. 90 regional field technicians across the UK and Ireland, 8 owned weighbridge test units and UKAS Laboratory 0054.

Book a demo or site survey: 0800 056 7722 | averyweigh-tronix.com/en-gb

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