



# BI920

baggage scale indicator

*Technical Specification*



## DESCRIPTION

### Tomorrow's technology today

The AWTX BI920 scale is ideal for airport baggage handling. Now airports can have the best of both worlds – a well designed and built weighing system that has the ability to integrate into the entire baggage handling process.

### Highly compatible

Right from the early design and development stages of the Avery Weigh-Tronix BI920, one of the main criteria was perfecting easy installation and integration into existing static and conveyor scale systems. The AWTX BI920 can multitask to full capacity immediately, or can be used as a simple scale until additional functions are required and accessed at a later date.

### Instant information

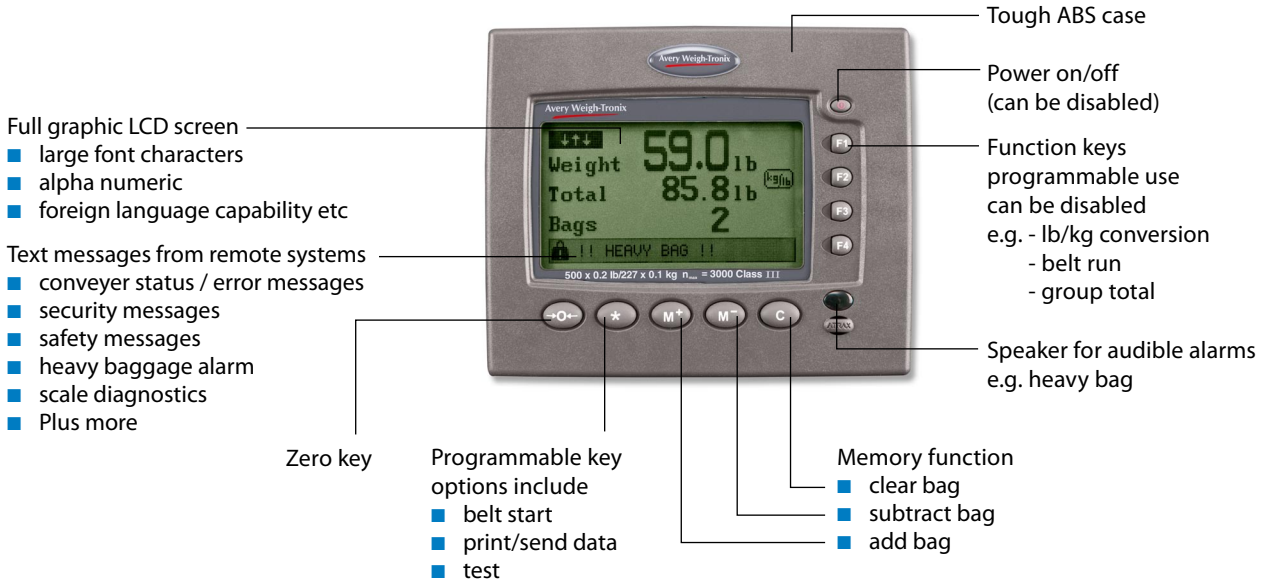
All the information you need is displayed with pinpoint accuracy. But it's not just the standard weight details. The BI920 Baggage Scale Indicator has the ability to analyze, diagnose, detect and inform, instantly displaying any malfunctions in the conveyor control process. By letting the operators and the control room know the exact location of a problem, service personnel can be directed to the trouble spot immediately, resulting in faster repairs and less downtime.

### Design and construction

The compact design combines modern, sophisticated styling and ergonomics with rugged, robust, durable construction. The lens is strong, scratch resistant acrylic. The keys are soft-touch silicone. Lettering is permanently marked into every key. Everything is at your fingertips on one centralized, compact, single-panel unit that can be mounted anywhere, saving valuable desk space.

## User friendly

The AWTX BI920 has been specifically designed to be easy to read and easy to operate, with everything in one compact, ergonomic, 'mount anywhere' unit.



## Passenger friendly

Information for passengers is displayed on an easy to read, durable counter mounted display screen.



## BI920 features and benefits

- Produced by the world's leading specialized manufacturer
- Thousands of units installed in over 40 countries
- Specialized weighing technology for airport applications
- Finest quality design and engineering
- The latest highly advanced technology
- Attractive, compact styling and ergonomic design
- Robust, durable ABS construction
- Robust construction with scratch resistant acrylic lens
- Soft touch silicone keys for sensitive tactile feedback
- Permanently etched lettering that won't rub off
- Excellent readability from a wide viewing angle and under variable lighting conditions
- Intersystem text messaging capability
- Scales are self diagnostic and report any errors in plain language
- Identifies problems and reports to operators/control room
- Rapid identification means faster repairs and less downtime
- One centralized single operator panel results in a very compact unit
- Can be mounted anywhere, saving desk space
- Easy to install – "plug and play"
- An extremely accurate and efficient weighing system
- Future proof – tomorrows technology today
- Designed to fully integrate with Baggage Handling Systems
- Many more baggage handling capabilities



## Avery Weigh-Tronix BI920 Baggage Indicator

A special-purpose scale designed specifically as a universal platform for use in performing baggage check-in functions for the airline industry. This unit sets the standard in what

should be expected from a baggage scale and can truly be used in a fully integrated check-in system.

### Graphics Display

The use of a full graphics LCD operator panel allows for a number of innovations. The display is clear and concise, and can be displayed in the language of choice for the installation. Full control by the operator of contrast and backlight further enhances its performance.



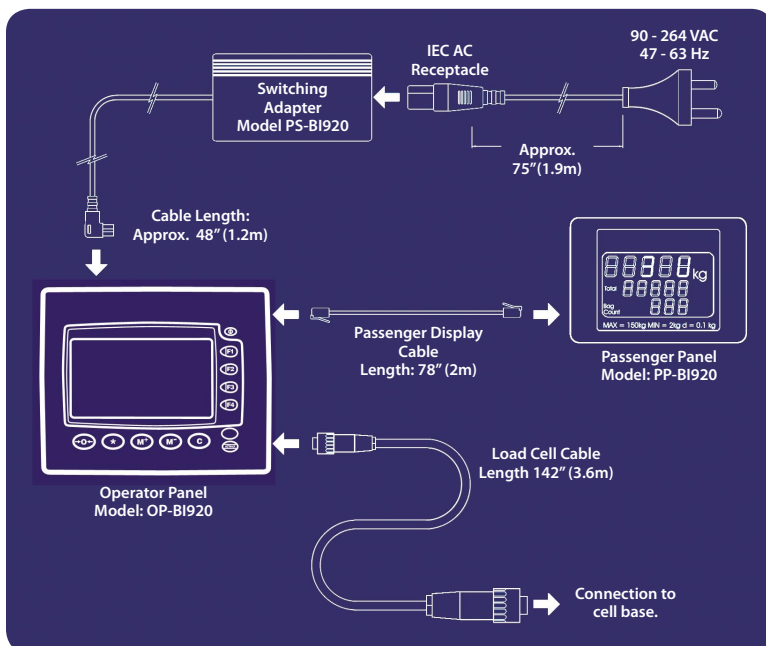
### Auto ranging power supply

Universal power adapter. Conforms with all relevant safety and electrical regulations.



### Connections and ports

The AWTX BI920 is easily installed and integrated into existing systems with no complex rewiring or technical incompatibility. Connections and ports are clearly identified and easy to follow.



### Connections and Ports

1. Local I/O Port
2. Scale Base Connector
3. Tamper Proof Setup switches
4. Passenger Display connector
5. RS-232C Serial Port
6. 7.5 VDC Power Input



### Operator Panel

Features	Specifications
<b>Display</b>	Full graphics, high contrast, LCD. Simultaneously displays: Passenger bag weight, Total bag weight and Bag count. Conveyor system text messaging enabled.
<b>Front Panel Annunciators</b>	Center of zero, motion, lb/kg selection, overweight alarms and customized legends. Text messages from BHS control system.
<b>Operator Push-buttons</b>	5 primary keys for: zero, add, minus and clear totals plus one configurable key. 4 programmable function keys with display labeling. 1 power on/off key. All keys are molded soft touch silicone with tactile feedback.
<b>Control Outputs</b>	2 fully isolated digital outputs as standard. Overweight setpoint, Belt start & spare. DC only at 1.5 amps max. AC/DC at 0.75 amps max. 24 volts max.
<b>Control Inputs</b>	1 fully isolated digital input as standard. Remote on/off. Add function inter-lock & spare. DC input only. 24 VDC max.
<b>Serial Data Ports</b>	1 x RS 232 port.
<b>Full Scale Capacity</b>	Adjustable up to 999.9lb and/or kg.
<b>Display Increments</b>	Selectable to 0.1, 0.2, 0.5 and 1.0.
<b>Auto Zero Maintenance</b>	+/- 0.5 graduation zero tracking.
<b>Alarms</b>	Built in audible and visual alarms with setpoint output. Programmable heavy bag warning and overweight bag alarms.
<b>Power Input</b>	7.5VDC, supplied by external unit. Internal self resetting thermal fuse protected.
<b>Enclosure</b>	Tough ABS molded fascia. Mild steel rear cover. Scratch resistant display lens. Overall size: 6 $\frac{5}{16}$ " x 5 $\frac{1}{8}$ " (160mm x 130mm)
<b>Operating Temperature</b>	14°F to 104°F (-10°C to +40°C)

### Passenger Panel

Features	Specifications
<b>Display</b>	High intensity 7 segment LED. 3 rows consisting of 5, 5 & 3 digits respectively. Simultaneously displays passenger bag weight, total bag weight and bag count.
<b>Enclosure</b>	Brushed stainless fascia. Scratch resistant display lens. Mounting options to suit airport requirements. Overall size: 4 $\frac{1}{2}$ " x 3 $\frac{3}{8}$ " (122mm x 86mm)
<b>Operating Temperature</b>	14°F to 104°F (-10°C to +40°C)

### Power Supply

Features	Specifications
<b>Power Input</b>	110 to 240 VAC, 50/60Hz +/- 10%, clean supply. 0.33 to 0.19 Amp (actual consumption depends on installation)
<b>Power Output</b>	7.5 Vdc. 1 Amp max.
<b>Typical Size</b>	4 $\frac{1}{2}$ " in x 2 $\frac{3}{8}$ " in x 1 $\frac{3}{16}$ " in (110mm x 60mm x 30mm)
<b>Approvals</b>	UL, C-Tick and CE Mark.

### Scale Base

Features	Specifications
<b>Compatibility</b>	Compatible with all AWTX scale bases, including static and conveyor scales. Compatible with most other single, dual and four loadcell scale bases.

### Approvals

Features	Specifications
<b>Agency Approvals</b>	EU Trade Approved; NTEP pending

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