



## 3275 checkweigher

*Technical Specification*

### DESCRIPTION

#### General

The Model 3275 Checkweigher from Avery Weigh-Tronix; combines rugged stainless steel construction with the proven accuracy of specially designed stainless steel load cells.

The foundation of the 3275 Checkweigher is the patented Avery Weigh-Tronix bases, the industry standard for durability.

Simple front-panel controls make setup a snap. The indicator lights guide you through the simple process of setting the target and tolerance weights. Setting the target weight can be as simple as two quick presses of the SETUP button. Or use the OVER & UNDER buttons to scroll directly to target, tolerance or tare weights.

#### Design

The 3275 Checkweigher is completely wash-down safe and perfect for tough environments. It features stainless steel construction including base, column, load-cell and indicator enclosure.

The four color graphic weight display tells the operator at a glance if weight is within range, over, or under. The simple setup allows the operator with a few keystrokes, to set target weight, tolerances, enter tare weight, or select unit of measure.

#### Features

**Four units of measure** – Selections for: Pounds, Ounces, Kilograms, or Grams for added versatility.

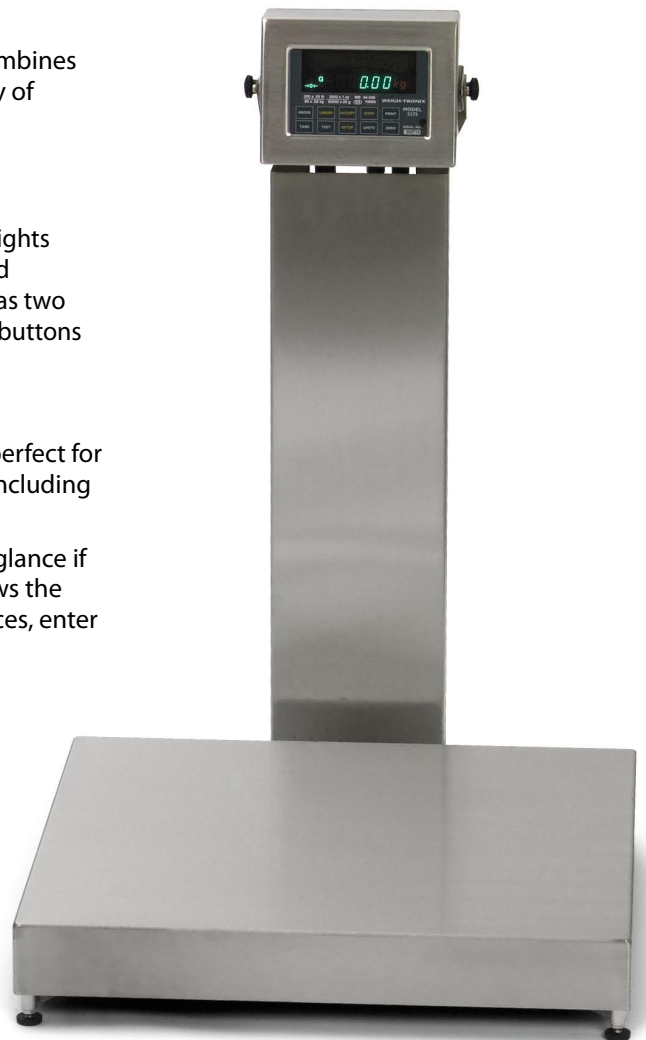
**Rugged electronics enclosure** – Stainless steel enclosure seals electronics from dust, moisture, and protects from damage due to impact.

**Adjustable display** – Indicator enclosure is adjustable from vertical to a 20° tilt for optimum viewing and operator efficiency. The indicator enclosure detaches easily for remote mounting.

**Filtering** – Various filter and display update settings are available.

**Selectable resolutions** – The 3275 comes standard with a displayable resolution of 3,000 divisions. Increased resolution of up to 5,000 divisions is available when your application requires more precision.

**Outputs** – Offers added flexibility; RS-232 is available for interfacing with printers and other data-logging devices.



#### Software options

Optional 3275 SPC-statistics package allows for quick and easy processing of quality control data right on the processing line or transmitted to your computer.

Optional compact dot-matrix printers can produce hard-copy records of test readings.

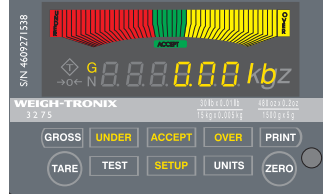
# SPECIFICATIONS

## Environment

14° to 104°F (-10° to +40°C) Water washdown

## Agencies

USDA Compliant  
NTEP  
UL  
CE



## Indicator

### Display

Four-color fluorescent display, 6-digit, 0.5" high, forty-seven multicolored segments graphic display for OVER/UNDER/ACCEPT status.

### Annunciators

Tare, Center Zero, Gross, Net, OVER, UNDER, ACCEPT, lb, kg, oz, and g

### A/D Conversion Rate

60 Hz. Delta-Sigma type converter

### Power requirements

Standard: 117 VAC ( $\pm 10$ ) 50/60 Hz ( $\pm 3$  Hz), 15 watts max.  
Optional: 234 VAC ( $\pm 10$ ) 50/60 Hz, 15 watts max

### Excitation for Load Cells

10 volts DC

### Available current

114 mA (four 350 ohm load cells)

### Controls

10 membrane keys:  
ZERO: with AZT  
TARE: pushbutton or digital  
GROSS: displays gross weight when tare is entered  
PRINT: with motion-inhibit  
TEST: to check all display segments  
SETUP: to adjust scale operation  
UNITS: to select unit of measure  
OVER, UNDER and ACCEPT: to set target and tolerances

### Construction

Stainless steel, NEMA 4X enclosure

### Calibration and Programming

All calibration and programming is done through the front panel with data stored in nonvolatile memory.

### Display rates

Slow, Medium, and Fast

### Filtering

Normal and Fast

### Push Button Zero Range

Not selectable,  $\pm 100\%$  of Capacity

### Motion Detection Window

Not selectable  
1 displayed division

### Automatic Zero Tracking

Not selectable  
1 displayed division

### Over Range Capacity

Not selectable  
120% of capacity

### Under Range Capacity

The scale displays weights in the negative direction using the same restrictions as positive direction, but further limited by the number of display digits available.

### Temperature Range

10 to 40°C (14 to 104°F)

### Humidity

Up to 100% relative humidity.

### Accuracy (Indicator)

NTEP Class III 10,000d CC#94-035

## Options

- IR Remote Control – Supervisor can control the setup values on single or multiple indicators.
- RS-232 output – Interface to computers, printers or other data collection devices.
- 234 VAC, 50/60 Hz Power – (Power cord is un-terminated)
- Software – Statistical, multi-setup, zone classifier, percent, lb/oz and setpoint software packages are available for a variety of applications.
- Set point option – Includes terminal strip for 3 open collector TTL outputs and one TTL contact input.



### Patented Torsion Bases

The innovative Breakaway Load Transfer System keeps dropped loads and side loads from wrenching the shroud and damaging the loadcell.

#### Proven 500% overload protection

Torsion assembly in the scale base automatically transfers shock loads and overloads away from the load cell to the scale frame. Scale frame and shroud are all corrosion resistant stainless steel, suitable for food processing environments.

#### Designed washdown resistant

Tough, easy to clean stainless steel construction makes the scale immune to washdown and changes from hot to cold environments.

#### Cable

Comes standard with a 10-foot load cell cable

#### Corner load

100% of scale capacity

#### Construction

NEMA 4X/IP66 – All-stainless steel structure and load cell

#### Capacities and increments (\* factory default)

Pounds	Ounces	Kilograms	Grams
6 x 0.001	100 x 0.02	3 x 0.0005	3,000 x 0.5
6 x 0.002*	100 x 0.05	3 x 0.001	3,000 x 1
12 x 0.002	200 x 0.05	6 x 0.001	6,000 x 1
12 x 0.005*	200 x 0.1	6 x 0.002	6,000 x 2
30 x 0.005	480 x 0.1	15 x 0.002	15,000 x 2
30 x 0.01*	480 x 0.2	15 x 0.005	15,000 x 5
60 x 0.01	960 x 0.2	30 x 0.005	30,000 x 5
60 x 0.02*	960 x 0.5	30 x 0.01	30,000 x 10
100 x 0.02	1600 x 0.2	50 x 0.01	50,000 x 10
100 x 0.05*	1600 x 0.5	50 x 0.02	50,000 x 20

#### Scale base dimensions

6-lb and 12-lb scales: 8.75" x 8.75" x 3"  
 (22 cm x 22 cm x 8)

30-, 60-, and 100-lb scales: 12.25 x 13.75 x 3.25  
 (31 cm x 35 cm x 8 cm)

#### Environment

14° to 104°F (-10 to 40°C) Water washdown

#### Accuracy (base)

NTEP CC# 92-173 class III 3,000 divisions (Base)

Measurement Canada Cert# AM-5557 (Base)

EU Trade Approved (Complete scale)

3,000d EC certificate TAC DK0199.41

### Patented Diamond Series Bases

The Diamond Series Base has set a high standard for performance. This tough and dependable design can be counted on for a lifetime of hard work.

#### Extremely reliable

Single load cell design with no moving parts for low maintenance.

#### 150% overload protection

Rugged overload stops protect scale from excessive loads or dropped objects.

#### Corner load

100% of scale capacity.

#### Cable

Comes standard with a 10-foot load cell cable.

#### Construction

NEMA 4X/IP66 – All-stainless steel structure with encapsulated load cell including four (4) rigidly bolted stainless struts

#### Capacities and increments

Pounds	Ounces	Kilograms	Grams
100 x 0.02	1600 x 0.5	50 x 0.01	50,000 x 10
200 x 0.05	3200 x 1.0	100 x 0.02	100,000 x 20
500 x 0.1	8000 x 2	220 x 0.05	N/A

#### Scale base dimensions

100-lb scale: 20" x 20" x 4" (51 cm x 51 cm x 10 cm)

200 & 500-lb scale: 24" x 24" x 4" (61 cm x 61 cm x 10 cm)

#### Environment

14° to 104°F (-10 to 40°C) Water washdown

#### Accuracy (base)

NTEP CC# 88-104 III 5,000 divisions (Base)

Measurement Canada Cert# S.WA-3097 (Base)

EU Trade Approved (Complete scale)

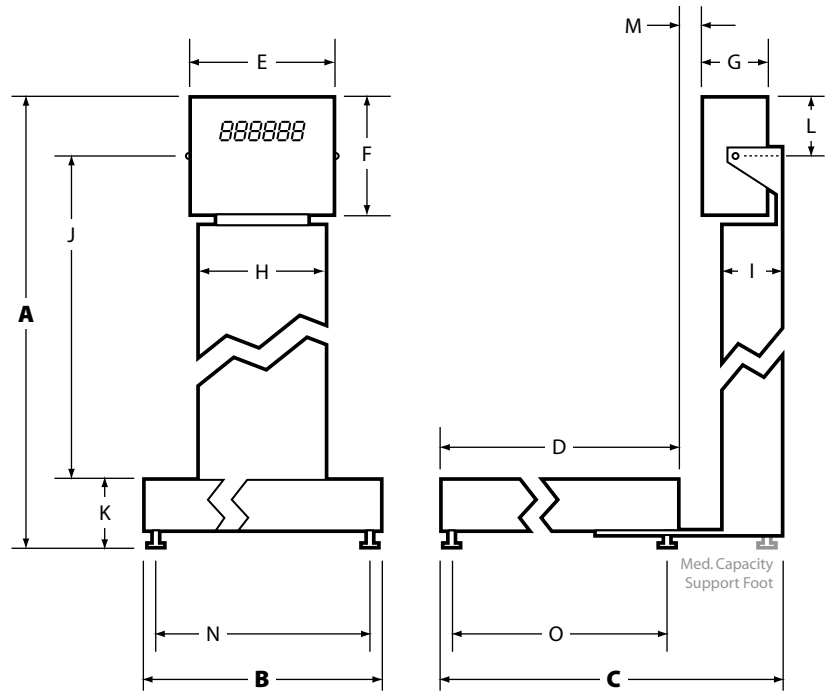
3,000d EC certificate TAC DK0199.41

#### Options (Diamond Series Only)

- Ball-top shroud – Keep product moving. Reduce operator lifting and bending.
- Portable cart – Move the scale easily from site to site. Double the work of a single scale. Constructed of stainless steel, adjustable height, with attached indicator stand.
- Extended cable length – If your application calls for placing the indicator at a remote location.



## PHYSICAL SPECIFICATIONS



### Low Capacity Dimensions

Model	Capacity	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
9 x 9 Short Tower	6, 12	10.56	9.09	12.77	8.75	8.25	6.25	3.62	9.09	4.16	3.69	3.06-3.56	3.31	.54	7.85	11.35
9 x 9 Standard Tower	6, 12	18.04	8.75	13.12	8.75	8.25	6.25	3.62	5.25	4.37	11.06	2.81-3.31	3.31	.32	6.95	11.68
9 x 9 Extended Tower	6, 12	24.05	8.75	13.12	8.75	8.25	6.25	3.62	5.25	4.37	17.06	3.06-3.56	3.31	.32	6.95	11.68
12 x 14 Short Tower	30, 60, 100	10.56	13.69	16.12	12.19	8.25	6.25	3.62	9.09	4.16	3.37	3.56-4.06	3.31	.54	11.50	10.00
12 x 14 Standard Tower	30, 60, 100	18.04	13.69	16.46	12.19	8.25	6.25	3.62	5.25	4.37	10.93	3.56-4.06	3.31	.32	11.50	10.00
12 x 14 Extended Tower	30, 60, 100	24.05	13.69	16.46	12.16	8.25	6.25	3.62	5.25	4.37	16.94	3.56-4.06	3.31	.32	11.50	10.00

### Medium Capacity Dimensions

Model	Capacity	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
20 x 20 Standard Tower	100, 200	35.00	20.0	26.56	20.00	8.25	6.25	3.62	7.50	3.50	28.02	4.00	3.33	1.62	18.75	18.75
24 x 24 Standard Tower	200, 500	35.00	24.00	30.56	24.00	8.25	6.25	3.62	7.50	3.50	28.02	4.00	3.33	1.62	22.75	22.75

#### Avery Weigh-Tronix - USA

1000 Armstrong Drive,  
 Fairmont, MN 56031-1439 USA  
 usinfo@awtxglobal.com  
 Toll-Free: (800) 533-0456  
 Phone: (507) 238-4461

#### Avery Weigh-Tronix - UK

Foundry Lane, Smethwick,  
 West Midlands B66 2LP UK  
 info@awtxglobal.com  
 Phone: +44 (0) 8453 66 77 88  
 Fax: +44 (0) 121 224 8183

Please call us or visit [www.averyweigh-tronix.com](http://www.averyweigh-tronix.com)  
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