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Avery Weigh-Tronix

QC3265

Quick Check checkweigher

Technical Specification

DESCRIPTION

General

The QC3265 Quick Check 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 Model QC3265 Checkweigher is the Avery Weigh-Tronix base, the industry standard for durability. With added rapid response time, one-stroke setup functions and simplified operation, the QC3265 does just what you need a checkweigher to do: provide fast, accurate checkweighing.

Design

The QC3265 Checkweigher is completely washdown safe and perfect for tough environments. It features stainless steel construction including base, column, load cell and NEMA 4X display enclosure. The standard display housing tilts from vertical to 20 degrees upward.

Features

Two display modes –

- Quick Check – Operates in Weighing Mode with a simple weight display
- Checkweighing – LEDs for Over, Under, and Accept

Simple setup – A single keystroke accomplishes most of the setup functions. Change target values, over and under tolerances, even units of measure in seconds.

Simple operation – Uncluttered display matches the Quick Check's no-nonsense operation. Just three control keys mean short training time and minimal opportunity for human error.

Five units of measure – Select to read in pounds, ounces, kilograms, grams or pounds/ounces for added versatility.

Single load cell design – No moving parts for low maintenance.

NTEP at 3,000d Class III

Proven resistance to washdown

Suitable for food processing environments

SPECIFICATIONS

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

Agencies
USDA Compliant, NTEP, Canada Weights and Measures
UL, EU Trade Approved, CE

Indicator

Display
LCD: 7-segment, 6-digit, 0.7" high with 5 decimal point

LED: 7-segment, 6-digit, 0.6" high with 5 decimal point

Power Requirements
Standard default: 115 VAC, ±10% to -15% @ 0.10 Amp maximum

50/60 Hz, 10 watts max

Power cord length, 6 feet (1.8 meters)

Optional: 230 VAC +10% to -15% @ 0.05 Amp maximum

50/60 Hz, 15 watts max.

Optional Battery: LCD display only
12 VDC (10 to 15 volts) -
@ 80 mA with 1 load cell
@ 131 mA with 4 load cells

Operational annunciators
Over, Accept, Under, lb, kg, oz, g, lb/oz and Center Zero

A/D Conversion Rate
60 Hz. Delta-Sigma type converter

Internal resolution
4,718,592 counts per mV/V per second

Excitation for Load Cells
Voltage : 6 volts DC (LCD), 10 volts DC (LED)

Available Current:
LCD: 69 mA (four 350 ohm load cells)
LED: 114 mA (four 350 ohm load cells)

Controls
QUICK CHECK: Toggles between checkweigh mode and weight display mode

TARGET: Enters target weight

UNITS: Changes enabled units of measure

ZERO: Zero balances the scale

Optional Battery
Available for the LCD version only –
12 volt DC sealed lead acid battery

30 hour battery life

14 hour recharge time

Low battery warning

Low power shutoff

Charging can occur during AC operation

Construction
Stainless steel, NEMA 4X/IP66 enclosure

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

Display rates
1, 2, 5, or 10* times per second

Filtering
1*, 2, 5, or 10 display intervals

Push Button Zero Range
±1%, ±2%, ±5%, ±10%, ±20%, ±50%, ±100%* of Capacity

Motion Detection Window
d = 1 displayed division
±0.25 d, ±0.5 d, ±0.6 d, ±1 d*, ±2 d, ±3 d, ±5 d

Automatic Zero Tracking
d = 1 displayed division
Window: ±0.25 d, ±0.5 d, ±0.6 d*, ±1 d, ±2 d, ±3, ±5 d,

Rate: 0.1 division per second

Starting Delay: 2 seconds

Over Range Capacity
The scale displays weights up to capacity plus 9 divisions, referenced from the zero value determined by zero setting point, or 105% of capacity, referenced from the deadload.

Under Range Capacity
The scale displays weights in the negative direction using the same restrictions as for over-range, but further limited by the number of display digits available.

Temperature Range
-10 to 40°C (14 to 104°F)

-30 to 60°C (-22 to 140°F) with reduced accuracy

Humidity
Up to 100% relative humidity.

Accuracy *(indicator)*
NTEP Class III 6,000d CC#96-020 (Indicator)

Measurement Canada Cert# AM-5127 (Indicator)

EU Trade Approved (Complete scale)
3,000d EC certificate TAC DK0199.41

Options

- LCD and LED version
- 230 VAC 50/60 Hz power
- Battery and charger
  (available with LCD version only)
- RS-232 or RS-485 interface board
- Short and extended towers
- Remote head
- Compact printers

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

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)

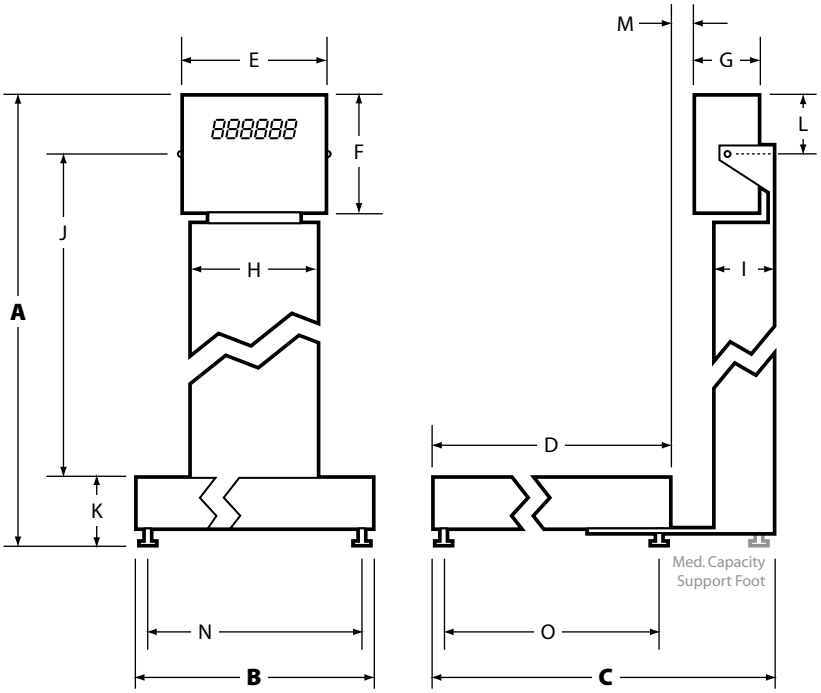
Measurement Canada Cert# S.WA-3097 (Base)

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

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