Avery Weigh-Tronix

PC-902/905 High Precision Counting Scale

An easy-to-operate, no-nonsense digital counting scale that weighs extremely light parts and reduces the time required to count, with accuracy of up to 99%.

M anufacturers and suppliers of small components for computers, communications equipment, electronics and other products know the importance of accurate counting and weighing. Counting parts that are so small and light that they can barely be seen is a daunting and time-consuming process that is prone to error.

Now even small-component manufacturers and suppliers have a counting scale alternative that ensures accuracy and reduces time required to count parts. The Avery Weigh-Tronix PC-902 and PC-905 digital counting scales have the ability to weigh parts as light as 0.00001 lbs. in less time with accuracy up to 99%.

The Importance of Accuracy to your Business

Companies need counting scales for inventory and quality control.

Achieving inventory control requires a delicate balance. Too much inventory is money sitting on the shelf that could be put in the bank. Too little inventory means manufacturing down time and missed shipments. An accurate parts inventory leads to greater efficiency at a lower cost — essential for every industry.

Maintaining quality control is also critical. Companies want to give their customers exactly what they paid for. Time and again, shipping less than ordered leads to dissatisfaction and lost customers. Accuracy translates to freeing up of capital and satisfied customers.

PC-902 with draft sheild.

Which Scale is Right for Your Company?

Avery Weigh-Tronix, the inventor of the electronic counting scale, continues to lead the market with innovative technology at affordable prices. As you are evaluating scales, ask yourself the following:

1. **Is it easy to operate?** A counting scale that is difficult to operate or requires multiple keys strokes leads to confusion and inaccuracy—the reason you purchase a counting scale in the first place. Avery Weigh-Tronix counting scales are simple, flexible and easily operated with one keystroke.

2. **What is the risk of operator error?** Increasing the number of parts hand-counted during the sampling process increases the risk of human error. The PC-902/905 will not allow counting to continue until there is an adequate sample size (0.02% of scale capacity) to get to the accuracy rate you select.

3. **How accurate is the scale?** Counting scales with different internal resolutions have different levels of accuracy. It's like measuring the diameter of a steel bar in ¼ inch increments, $\frac{1}{8}$ inch increments or a micrometer. Avery Weigh-Tronix counting scales use T750 Vibrating Beam Load Cell technology to achieve superior count performance and unequaled internal resolution and accuracy.

Top-of-the-Scale Customer Support.

The Avery Weigh-Tronix authorized distributor network provides local service and complete technical support throughout the world. These experienced distributors are not only scale specialists, but are dedicated to helping you keep your business running as smoothly as possible.

The PC-902 and PC-905 are easy-to-operate, no-nonsense digital counting scales that weigh extremely light parts and reduce the time required to count, with accuracy of up to 99%. Ask your distributor for more information about these high-precision scales.

The Choice is Yours

Choose from either the PC-902 or PC-905 depending on your specific application.

PC-905

Remote Base Switching: Automatically switches from internal (local) base to the optional remote base after a sample is performed.

Full Keypad: Lets operators enter and recall known piece weights and tare weights.

PC-905 with optional remote base.

PC-902 with optional barcode gun and printers.

PC-902

Operator Friendly: Simple one-keystroke operation ensures correct use. Three yellow keys draw operator to most used keys: ZERO, TARE and SAMPLE. The SAMPLE key automatically zeroes the scale, prior to weight being applied.

Features and Benefits of Both Scales:

Printer Ready: Comes ready to connect to bar code label printer, eliminating the need to continually sample. Includes 14 label formats: 8 AWT dot matrix printers, 3 Dymo Costar and 3 Zebra Model 2844.

RS232 Output: Standard link to printers, bar code gun/wands or computers.

Two Power Saving Modes: Puts the scale to "sleep" when not operating and allows extended battery operation.

Calibration: Front panel access, including 2 alternate calibration weight selections.

Backlit Displays: Increases visibility in poorly lit areas.

Count Methods: Bulk, dribble, multiple reverse count methods, piece weight entry.

Options For Both Scales:

Internal Battery Operation: Internally mounted 6V battery offers up to 50 hours of continuous operation and up to 500 discharge/recharge cycles.
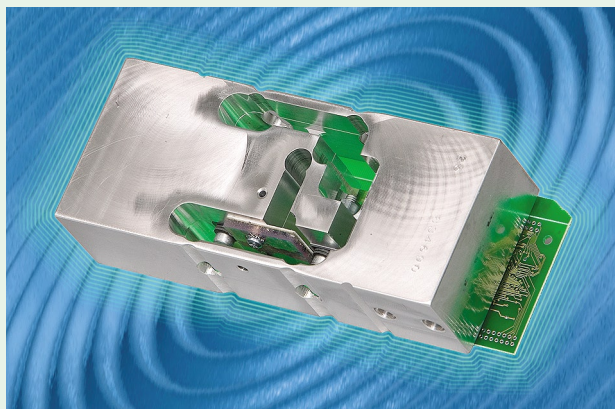
External Battery Operation: Mounted underneath the PC-905 offering up to 20 hours of continuous operation. Spare battery packs can be changed quickly for continuous battery operation.

Remote Battery Charger: Charges two external batteries at the same time.

9" and 18" Remote Display Column: Includes 5-10' cable.

Ball Top Kit: 12 x 14 platforms only, stainless steel using 9 roller balls.

Draft Shield: Recommended for use on 10-lb. models to reduce external interference.

Vibrating Beam® Digital Transducer

The revolutionary pure digital transducer uses 25 million counts to provide the internal resolution of 2 million. This superior resolution allows the PC-902 and PC-905 to count with unparalleled accuracy. You can also count smaller parts with greater accuracy using smaller sample sizes. The T750 Vibrating Beam Load Cell technology provides:

- **Higher resolution than traditional analog load cells, up to 12,500 divisions type approved**
- **Load cell capacities of 5, 12, 25 and 50 kg.**
- **More durability than other high-resolution load cells**

Product Specifications

Capacity and Resolution:

Capacity Pounds	Available count by values				
	Optional	Approved	Counting	Optional	Optional
10	.002	.001	.0005	.0002	.0001
25	.005	.002	.001	.0005	.0002
50	.01	.005	.002	.001	.0005
100	.02	.01	.005	.002	.001

Capacity Kilograms	Available count by values				
	Optional	Approved	Counting	Optional	Optional
5	.001	.0005	.0002	.0001	.00005
12	.002	.001	.0005	.0002	.0001
25	.005	.002	.001	.0005	.0002
50	.01	.005	.002	.001	.0005

Capacity Grams	Available count by values				
	Optional	Approved	Counting	Optional	Optional
5000	1	.5	.2	.1	.05
12000	2	1	.5	.2	.1
25000	5	2	1	.5	.2
50000	10	5	2	1	.5

Capacity Ounces	Available count by values				
	Optional	Approved	Counting	Optional	Optional
160	.05	.02	.01	.005	.002
400	.1	.05	.02	.01	.005
800	.2	.1	.05	.02	.01
1600	.5	.2	.1	.05	.02

Internal Resolution: 1:2,000,000.

Counting Resolution: Factory default of 1:25,000, adjustable up-to 1:100,000.

Type Approved Resolution: Up to 12,500 divisions.

PC-905 Remote Base Capacity:
Pounds: 50, 100, 200, 250, 300, 500, 1000, 2000, 2500, 5000, 10,000 and 20,000.
Kilograms: 25, 50, 100, 125, 150, 250, 500, 1000, 1250, 2500, 5000, and 10,000.

Dimensions:

Weighing Platform:
12.6" X 14.08" (31.5 x 35.75 cm) 25, 50 & 100 lb capacity
8" (20.3 cm) diameter, 10 lb capacity

Display Assembly:
PC-905 –12.86" x 6.31" (32.65 x 16.02 cm)
PC-902 – 9.5" x 2.75" (25.1 x 6.9 cm)

Overall Dimensions:
PC-905 – 17.50" x 14.08" x 4.25-5.40" (44.5 x 35.75 x 10.8–13.7 cm)
PC-902 – 15.25" x 14.08 x 4.25-5.40 (38.7 x 35.75 x 10.8–13.7 cm)

Construction: Die-cast aluminum base and load bridge, stainless steel weight platter. PC-905: ABS plastic display assembly. PC-902: extruded aluminum.

Display: Large 0.5" H 7-digit / 7-segment backlit LCD display.

Keypad:

PC-905 - 20 keys: Sample (on/off), tare, zero, count/weight switching, print (transfer data), units of measure switching, average piece weight, clear, recall/decimal point, remote base toggle, and numeric keypad.

PC-902 – 6 keys: Sample (on/off), tare, zero, count/weight switching, print (transfer data), units of measure switching,

Counting Accuracy: Selectable from 95%, 98%, 99%.

Power Saver Modes: Selectable modes of 5, 10, 20, 30, and 60 minutes for auto shut-off and adjustment of backlight to auto, or off to increase battery performance.

Power Supply :

Standard: 120 Vac +10% -15% standard 3 wire w/ground @ 60 Hz ± 3 Hz
9 VDC @ 1.3 Amps DC minimum   –   UL approved

Optional: 230 Vac +10% - 15% with universal connector @ 50 Hz ± 3 Hz
9 VDC @ 1.8 Amps DC minimum   –   CE approved

Internal / External Battery: Sealed lead acid with full charge value of 6.8 ± .1 volts at 2.8 AH (external) 7.0 AH.

Operating Environment:
+5 to 40 degrees C (Class III Device)
+5 to 35 degrees C (Class II Device)
10 to 90% RH, non-condensing

Agencies:
NTEP 12,500 divisions pending, Class II
OIML 6,000 divisions pending, Class III
UL, CSA, EN 60950

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