



Model PC-200

General Purpose Digital Scale



Operator's Manual

Doran Scales, Inc. • 1315 Paramount Pkwy • Batavia • IL • 60510
1-800-262-6844 • (630) 879-1200 • Fax (630) 879-0073
Manual Revision 1.0 • Software Rev. 0.1 • Man. #0182 • 9-10-98

Doran Model PC-200

Digital Scale

Introduction:

This manual applies to the Doran PC-200 Digital Scale, a rugged, stainless steel scale that is designed to withstand the rigors of everyday use in most food preparation and many industrial tasks. The PC-200 uses microprocessor technology to provide a low cost solution to your weighing needs. Designed to be easy to use, only one button, **ZERO**, is needed to operate the scale. With proper care, the PC-200 will provide many years of reliable performance. Please read the entire manual to get all the benefits that we have built into the PC-200. Call our Service Department at 1-800-262-6844 if any questions arise in the use or care of your PC-200.

Features :

- Stainless Steel Case is extremely water resistant
- Load Cell & PCB are sealed against moisture damage
- Quad Spring[®] shock absorbing break-away design protects the load cell from shock and overload as never before
- 5 digit, bright red, 0.56" LED display is easily read
- Weight can be displayed in lb, oz, or kg
- RS-232 Bi-Directional Data Output
- Powered by 115 Volt AC Adapter - 230 Volt optional
- NTEP Class III to 2500 d (applied for)

Unpacking Instructions:

Carefully unpack your scale and save all the packing material in case the PC-200 must be returned for service in the future.

Set-Up Instructions:

- 1) Place the PC-200 on a level, vibration-free surface. Make sure the platter or scale does not touch a wall or other objects that could cause weight errors.
- 2) Place the scale platter on top of the scale with the slanted part toward the front of the scale. Be sure it seats well.
- 3) Plug in the round AC Adapter cord into the rear of the scale.
- 4) Plug in the AC Adapter to 115 VAC (optionally 230 VAC)
- 5) The PC-200 will turn on, go through a short start-up routine, and then display zero and is ready to use.

Care & Cleaning:

The PC-200 has been designed and built to the same exacting standards Doran has used for 3 decades. With reasonable care, this product will last for many years. Here are some tips to care for your PC-200.



- Hand clean with a damp cloth using mild detergent
- Do not immerse the scale in water
- Do not wash the scale in a dishwasher - the removable platter is dishwasher safe
- Do not use strong solvents or abrasive cleaners as this can damage the touch panel or other plastic parts.
- Do not drop or overload the scale
- Do not use sharp objects to press the ZERO button
- Always use the PC-200 on a stable, vibration-free surface for best weighing results

Warranty:

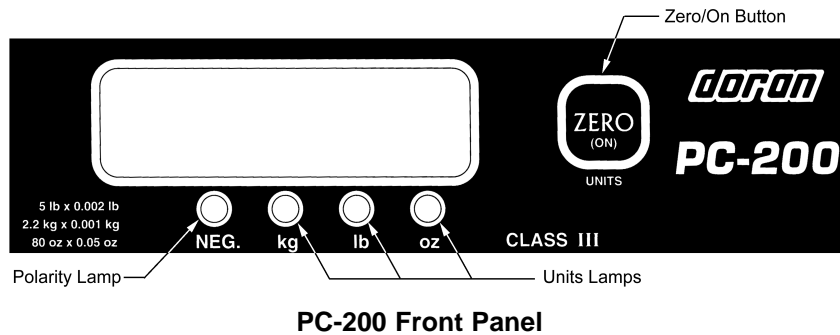
Doran provides a limited 1 year warranty on parts and labor. Refer to our Limited Warranty statement for details.

Scale Operation:

Power:

The PC-200 is designed to remain plugged in all the time. It has an automatic shutdown feature accessed by the user configuration menu. Refer to the Service Manual for details. If auto-shutdown is enabled, turn on the scale as follows:

1. Verify that the scale is plugged in to a good power source.
2. Press ON (the ZERO button)
3. The PC-200 will perform a display test, and then resume normal operation.
4. The scale turns off after 1,5,10,15, or 30 minutes of no activity. (Time is user selectable)
5. Turn on again by pressing ON.



Basic Weighing Operation:

1. Remove all items from the scale platter.
2. Press the ZERO button to zero the scale or tare out a container. The display should now read zero.
3. Place an item on the scale platter and wait for the lb, kg, or oz indicator to light indicating a stable weight.
4. Read the weight on the scale display.

Status Lamps:

- The Units lamps (lb, kg and oz) light to indicate the weight units the scale is set to display.
- The Polarity lamp (NEG.) is used to indicate when the scale is reading below zero (negative weight).

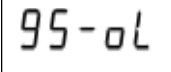
Motion Indicator – The PC-200 has a feature that indicates when the scale is not stable (in motion). When the scale is stable, the selected units lamp will be on. When the scale is in motion, the units indicator is off. Only read weights when the scale is stable.

Units Selection:

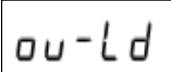
The PC-200 allows the operator to easily select the weight display units lb, kg, oz. To do so, unplug the scale's power cord, press and hold the ZERO button, plug in the power cord. The scale will perform a display test and the lb, kg and oz indicators will light one after another. To select the desired units, release the ZERO button when that indicator is on. The PC-200 will be set to that unit and will always start up in these units.

Error Codes:


Gross Overload

	Scale is in gross overload. Remove excess weight from the platter. Verify that nothing is touching the platter. If error does not clear, call your Doran Dealer or the Doran Service Department for help.
---	---

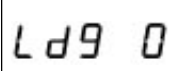
Scale Overload

	There is too much weight on the scale. Remove the excess weight until the scale functions normally. Make sure that nothing is touching the platter.
---	---

Start Up Zero Error

	Legal For Trade mode only. If scale is not stable (vibration, air movement) <u>or</u> if weight on scale is outside maximum tare weight (NTEP 20%; CANADA W&M 4%) this error appears. Restart scale in stable area <u>or</u> remove excess tare weight.
---	---

Loading Zero Message

	Upon power up, if the scale is not stable due to vibration, air movement, etc., this message will appear. Restart the scale in an area without any vibrations and scale will zero.
---	--

EEPROM Error

Er EP	The scale's calibration or setup data has been corrupted. Remove power for 30 seconds and restart the scale. If this message returns, call your Doran dealer or the Doran Service Department for help.
-------	--

Range Error

r9 Er	The scale is unable to calibrate with the weight currently in use. Verify that the weight is correct and try again.
-------	---

Calibration Error

Er CL	Scale calibration data has been corrupted. The scale must be recalibrated, call your Doran dealer or the Doran Service Department for help.
-------	---

Memory Error

Err 1	Program Memory data has been corrupted. Call your Doran dealer or the Doran Service Department for help.
-------	--

DORAN SERVICE DEPARTMENT: 1-800-262-6844

Options:

- Security cable to prevent theft
- RS-232 for data output to a cash register or computer

Limited Warranty

DORAN SCALES, INC. warrants its products to be free from defects in material and workmanship for a period of one (1) year from date of shipment. Any product found to be defective within this time period may be returned to DORAN's factory, freight prepaid, with prior return authorization for repair or replacement at no charge.

DORAN's liability under this warranty is limited to the repair or replacement of the defective product and in no event shall DORAN be liable for consequential or indirect damages to equipment or for personal injury caused by misuse, overload, accidental damage, alteration, improper installation, or unauthorized opening of the equipment. Under no circumstances will DORAN be responsible for any indirect or consequential damages due to errors in weighing or failure of a DORAN product to perform properly.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. THIS WARRANTY CONSTITUTES DORAN'S EXCLUSIVE WARRANTY. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

