CARE AND CLEANING

Your scale is a precision instrument, engineered to give years of valuable service. Care should be given to maintain its accuracy and appearance. *PROTECT YOUR SCALE FROM:*

- Shock
- Overload
- Liquid Spills
- Shock Loading
- Extreme Temperatures
- Other Abuses

Your scale is easily cleaned by wiping with a damp, soft cloth and mild, non-abrasive detergent.

LIMITED WARRANTY

This product is warranted for one year from date of purchase against defects of materials or in workmanship. If this product fails to function properly during this period, because of a defect in material or workmanship, return the product prepaid and properly packed (original carton preferred) to Pelouze Scale Co., 7560 W. 100th Pl., Bridgeview, IL 60455, for repair or replacement, at the manufacturer's option.

SPECIFICATIONS

DIMENSIONS: CONTROL PANEL 5" x 3" x 1¼"
PLATFORM 12" x 12¼" x 2¼"

POWER SOURCE: 9V battery or adapter with 110V AC input/9V DC 100 mA output

CAPACITY:

Model	Capacity	Resolution
4010	125 lb./60 kg	0.2 lb./0.1 kg
4010CN	125 lb./60 kg	0.2 lb./0.1 kg
4020	125 lb./60 kg	0.2 lb./0.1 kg
4040	400 lb./180 kg	0.5 lb./0.2 kg
4040CN	400 lb./180 kg	0.5 lb./0.2 kg

Table 1

PELOUZE SCALE CO.
7560 W. 100th PL.
BRIDGEVIEW, IL 60455

P.N. 35556

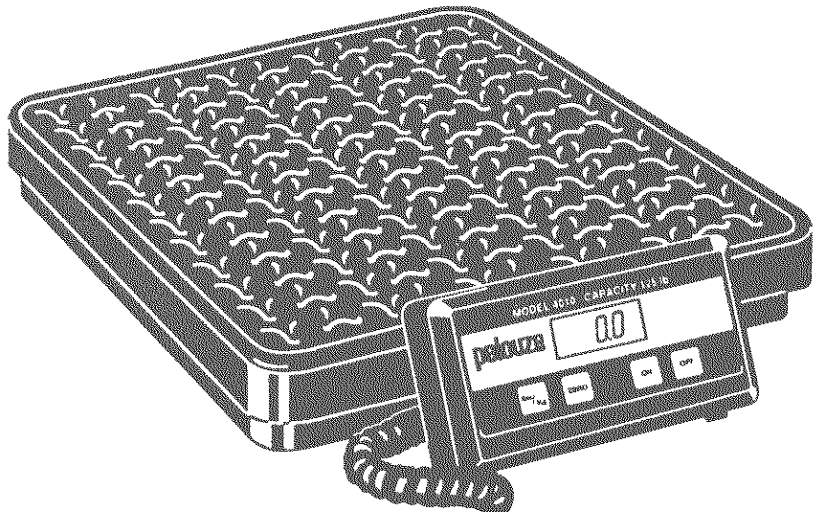
Printed in U.S.A.

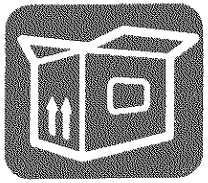
pelouze®

ELECTRONIC WEIGHING INSTRUMENTS

OPERATOR'S MANUAL

FOR MODELS 4010, 4010CN, 4020, 4040, 4040CN





Utility/Shipping

Please take a few minutes to read this Operator's Manual so that you can become acquainted with the proper usage and special features of your **PELOUZE ELECTRONIC SCALE.**

Thank you for selecting a Pelouze electronic weighing instrument. With proper care and usage, its technology should provide you with trouble-free service. We know you will be happy with your selection. Its outstanding quality and dependability are backed by the reputation Pelouze Scale Co. has earned since 1894.

GENERAL INFORMATION

Your new Pelouze electronic scale operates on a 110V AC adapter with output 9V DC 100mA (included), or on a 9V battery.

- For battery use: battery compartment is located at the rear of the control panel. Connect battery +/- accordingly.
- For adapter use: First plug into bottom right of control panel, then into wall outlet.
- Plug "phone cord" into left bottom of control panel.
- Peel off protective plastic film on display.
- Replacement postal chart can be obtained from your local post office free of charge or from Pelouze Scale Co. for 50¢ handling and shipping charge.

CONTROL PANEL WALL MOUNTING

The control panel of your new scale is attached to the base by a coiled "phone" cord which will allow you to position the control panel up to 6 feet from the base. To wall mount the control panel:

1) Use the template at the top of page 3 to mark the locations on the wall for two screws (not included), at the desired height.
2) Drill two holes of appropriate diameter for your chosen screws (not larger than 3/16"), located 1 3/16" apart, as indicated on the wall mounting template.
3) Screw the two screws into the wall, leaving the heads protruding about 1/8" from the wall.
4) Position the holes on the back of the control panel over the screws and slide it down so that the panel is firmly mounted on the screws.

OPERATING INSTRUCTIONS

- Place scale on a vibration free, level surface.
- **PRESS "ON"** Wait for display to show 0.0 lb. You can then weigh objects on the scale.
- To change between pound and kilogram mode, **PRESS "lb/kg"** and hold until indicator moves and points to desired mode.
- **PRESS "ZERO"** to return display to 0.0 before each weighing and before placing material on platform.

When using the AC adapter, if display fluctuates between "————" and numbers, reverse adapter in wall outlet.

FEATURES

Automatic Shut Off (Except model 4020) Scale will automatically turn off after approximately 30 seconds of inactivity (no weight change). This prolongs battery life and conserves electricity.

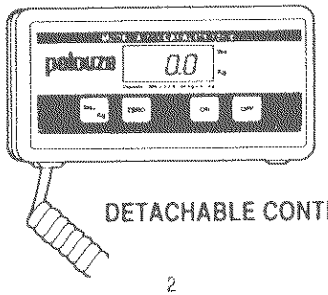
To deactivate Automatic Shut Off:

While scale is off, **PRESS** and hold **"lb/kg"**. While still holding **"lb/kg" PRESS, "ON"** until "APO" appears in the display.

To reactivate Automatic Shut Off:

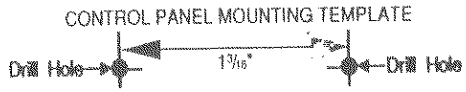
PRESS "OFF" to turn scale off. When scale is again turned on, Automatic Shut Off will be active.

EASY TO READ DISPLAY



DETACHABLE CONTROL PANEL

CONTROL PANEL MOUNTING TEMPLATE



FEATURES *continued*

Overload Warning: "OOOO" appearing in upper half of display indicates you have exceeded scale capacity. (Capacities are shown in table 1).

Low Battery Warning: Blinking "LOBAT" appearing in display indicates low battery.

Zero Adjust (Tare): "ZERO" is used to clear the display and return it to zero. Additionally, **"ZERO"** is used to "tare" or offset weight:

- Place empty container on scale. **PRESS "ZERO".**
- Place material to be weighed in container. Display will show NET WEIGHT of material in container.
- **PRESS "ZERO"** each time additional material is added to container. (Total not to exceed capacity shown in table 1).
- "————" appearing in display indicates negative weight. **PRESS "ZERO"** to return display to zero.

SERIAL INTERFACE FOR MODEL 4020

Model 4020 scales are equipped with a 9-pin RS232 serial port in the base designed to allow you to connect your scale to a PC, or any other computer or RS232-compatible data acquisition device. A 9-foot DB-9 male to DB-9 female serial cable is included with your model 4020. Communications specifications for the 4020 are as follows:

Serial Cable Pinout:

Pin	Signal
3	DATA
5	COMMON

Communications Protocol:

Speed	2400 bps
Word Length	8 bits
Parity	None
Stop Bits	1

Data Format:

(LF)(sign)*xxxx.xx*(unit)(LF)*hh*(ETX)

where
(LF) is an ASCII line feed (0x0A)
(ETX) is an ASCII end-of-text (0x03)
(unit) can be "kg", "lb" or "oz"
(sign) can be "+" or "-"
xxxx.xx is the weight read by the scale
hh is a two-byte scale status hex code, as described below:

High-Order Byte:

Bit 0:	HIGH = Scale in motion LOW = Scale stable
Bit 1:	HIGH = Scale at zero LOW = Scale not at zero
Bit 2:	Not used
Bit 3:	Not used

Low-Order Byte:

Bit 0:	HIGH = Scale is under capacity LOW = Scale is not under capacity
Bit 1:	HIGH = Scale is over capacity LOW = Scale is not over capacity
Bit 2:	Not used
Bit 3:	Not used