USER MANUAL

Thank you for purchasing the On Balance™ Diesel digital scale. Please read all operating instructions carefully before use. Scales are precision measuring devices and should always be handled with proper care. To ensure years of reliable service, keep these simple tips in mind:

• Do not exceed the scale's maximum capacity. Overloading your scale can permanently damage it!
• Avoid exposure to extreme heat or cold. Scales perform best at normal room temperature. If temperatures have changed dramatically, calibration and adjustment may be necessary.
• Allow your scale to warm up for 30-60 seconds before performing calibration and adjustment(if available)
• Store your scale in a clean, dry location. Dust, dirt, and moisture can accumulate on the weighing sensors and electronics causing inaccuracy or malfunction.
• Avoid using your scale in close proximity to strong radio wave emitting devices such as computers, cash registers, or cordless phones.
• Always weigh on a flat and level surface, free from vibrations and drafts. The corner of a room is usually the most stable.
• Gently apply all items to be weighed. Do not drop items onto the weighing platform.
• Avoid dropping your scale. The warranty does not cover damage due to rough treatment or overload.
• Check the battery first if you are having any trouble with your scale. This simple step can remedy most

scale issues.
• Do not disassemble your scale. This product contains no
  user serviceable parts.

**ONLY OPERATE THE SCALE ON A LEVEL,
VIBRATION FREE SURFACE.**

I. OPERATION
1. Place scale on a flat, level surface, press [ON/OFF] key to
   turn on the scale.
2. Wait until "0.0" or "0.00" is displayed, you are ready to
   weigh.
3. Place the object(s) on the weighing platform
4. Wait a few seconds for the display to stabilize before
   taking a weight reading.
5. Press the [MODE] key to switch between the weighing
   units.

II. TARE WEIGHING
1. Turn on the scale as described above
2. Place the "tare item" on the platform.
3. Press [TARE] key and wait until "0.0" or "0.00" is
   displayed
4. Add the "net-weight-item"

III. CALIBRATION
1. Turn the scale ON.
2. Wait until the LCD displays "0.0" or "0.00", then press and
   HOLD [MODE] key for 3-5 seconds, the LCD will display
   "CAL", then release the [MODE] key.
3. Press [MODE] key again, the display will flash "CAL"
   followed by the required calibration weight.

4. Add the required calibration weight on the center of the platform, after a few seconds, the display will show "PASS". Calibration is complete!

IV. ERROR CODES

1. **O-LD** – Maximum capacity has been exceeded. Remove your load immediately to avoid damaging the load cell.

2. **L** – Batteries are low.   Replace batteries.

3. **OUTZ** – The zero range has shifted on your scale. Calibrate your scale as instructed in Section III. If the problem occurs after proper calibration, the load cell may be permanently damaged as a result of overloading.

IV. SPECIFICATIONS

Tare range: Tare full capacity
Operation temperature: 10-30ºC

Capacity: 100g/3.53oz/1500gn/500ct
Readability: 0.01g/0.001oz/0.15gn/0.05ct
Required calibration weight: 100g

Capacity: 1000g/35.27oz/32.15ozt/643.1dwt
Readability: 0.1g/0.01oz/0.01ozt/0.1dwt
Required calibration weight: 500g