

# PROMAX

# ADS-100 Electronic Scale

## Operating Instructions

**CAUTION:** MAKE CERTAIN THAT THE CYLINDER DOES NOT TOUCH THE CASE OR CONTROLS AND THAT NOTHING TOUCHES THE PLATFORM, ESPECIALLY THE CORD TO THE CONTROL BOX; OTHERWISE FALSE READINGS MAY OCCUR.

### SET-UP

1. Place the unit on a firm and level surface.
2. Remove the control box from the case, in order to provide clearance.
3. Switch the unit on by pushing the **ON/OFF** button.
4. Select the desired unit of measure by pressing and releasing the **UNITS** button.  
3 scales are available  
Lbs./oz (0 Lbs. 0.0 oz.)  
Decimal Pounds (0.000 Lbs.)  
Kilograms (0.000 kg)

### OPERATION

1. Carefully place refrigerant cylinder in the center of the platform.
2. Connect the refrigerant cylinder to a charging manifold via utility hose if charging refrigerant or to a recovery machine if recovering refrigerant.
3. Open refrigerant tank valve and purge air from hoses.
4. Press the **ZERO** button, the display will change to zero.
5. Open manifold valve(s) or turn on recovery unit; refrigerant will begin to flow and the display will indicate the weight being removed (if charging) or added (if recovering). A minus sign (-) will appear if the weight is being removed.
6. Monitor the display; when desired charge or maximum allowable fill is reached, close the cylinder valve, manifold valves and/or switch off the recovery unit.
7. When operation has been completed, turn the unit off by pushing the **ON/OFF** button. Close cylinder valve, disconnect hoses(s) and store.

### LOW RESOLUTION MODE

In Normal operating mode, the extremely high resolution of the scale may lead to noticeable, yet small, fluctuations in the reading caused by weight shifts or wind. To alleviate this a Low Resolution mode may be activated.

1. With the scale switched on, with any unit or weight display, press and hold the **UNITS** button.
2. The enunciators will begin to flash.
3. Release the button and continue normal operation. Resolution is now reduced by a factor of 5 (1.0 oz./0.50 Lbs./20g) and will provide stable reading under extreme conditions. To return to the normal resolution mode, depress the **UNITS** button again, and hold until the enunciators stop flashing.

### WEIGHT MEASUREMENTS

1. The unit may be used strictly as a weigh scale.
2. Follow steps 1 through 4 in Set-Up.
3. Press the **ZERO** button, the display will change to zero.
4. Carefully place the object (e.g. cylinder) that is to be weighed directly in the center of the platform.
5. Gross weight will be displayed.
6. When weighing has been completed, turn the unit off.

This feature is especially useful when recovering. To calculate the amount of refrigerant in a tank subtract the "Tare" weight (marked on cylinder) from the displayed amount to find the quantity of refrigerant in the cylinder.

### OVERRANGE INDICATION

If the Gross Weight applied to the platform exceeds the specified range, the unit will display a single 1 at the left of the display.

### BATTERY INSTALLATION

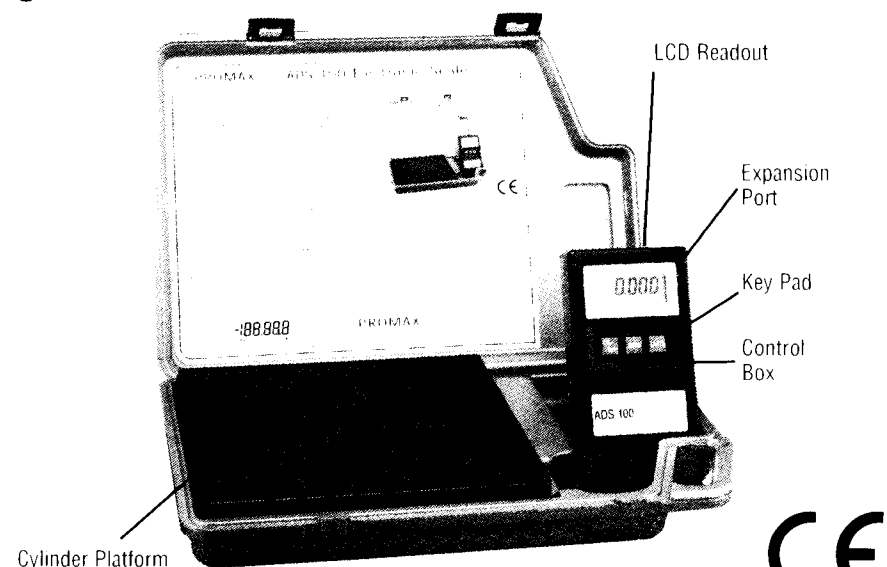
The **BATTERY** enunciator will appear when the battery needs replacing. "----" on display indicates battery voltage insufficient for operation. Replace battery in order to resume operation.

1. Remove the battery from the control box by removing the battery cover located on the back of the box.
2. Disconnect the battery from the battery clip.
3. Attach a new 9v alkaline battery.
4. Replace new battery and cover.

### EXPANSION PORT

The ADS-100 has a jack on the right side of the control box. This permits connection to the optional 9020 Remote Charging Module. Please refer to instructions with the 9020 for use.

### Diagram of the Scale



### SPECIFICATIONS

<b>Range:</b>	0Lbs.0.0oz. to 199 Lbs. 15.8oz. or 0.000Lbs. to 199.990Lbs. or 0.000kg to 100.000kg
<b>Resolution:</b>	Normal: 0.2 oz./0.010 Lbs./4g or Low: 1.0 oz./0.050 Lbs./20g
<b>Accuracy:</b>	+/- 0.5% of reading +/- 1 digit
<b>Power Supply:</b>	One 9V alkaline battery
<b>Battery Life:</b>	30 hrs (approx.)
<b>Operating Temperature:</b>	32 F to 120 F (0 C to 49 C)
<b>Weight:</b>	6.15 lbs (2.79 kg)
<b>Dimensions:</b>	15.25 x 10.5 x 2.5" (38.7 x 26.7 x 6.35 cm)

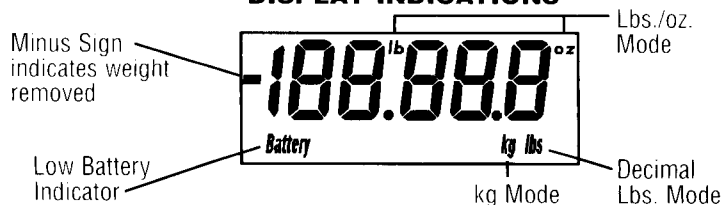
### Warranty and Repair Policy

This instrument has been produced to provide unlimited service. Should it become inoperative after the user has performed the recommended maintenance a no charge repair or replacement will be made to the original purchaser. This applies to all repairable units that have not been damaged or tampered with. The claim must be made within **Two** years of the date of purchase. For repair return your instrument to:

**Promax, Inc.**  
9101 NW 7th Avenue  
Miami, FL 33150 USA

An additional 90 day warranty period will cover the repaired or replaced unit. If you have questions or need technical assistance please call us at our toll free number to speak with a Customer Service Representative.

### DISPLAY INDICATIONS



# PROMAX

### Promax, Inc.

A United Dominion Company  
9101 NW 7th Avenue  
Miami, FL 33150 USA  
Ph: (800)327-5060 Fax (305)757-3105 PL643100rev A

**WARNING** Do not use in high electrical noise environments as a variant of readings could occur.