

MODEL ADS-1

Charging & Recovery Scale

FEATURES

- LCD Display in Pounds & Kilograms
- Capacity 176 lb. (80 Kg)
- Accuracy $\pm 1\%$ of reading
- All Refrigerant Capable
- Two-piece Design
- Rugged Compact Design for Field Use
- Zero Scale at Any Point to Measure Change of Weight
- Comes Complete with a 9 Volt Alkaline Battery and Carrying Case
- Calibrated to Standards Traceable to the National Institute of Standards and Technology (N.I.S.T.)



SPECIFICATIONS

Max. Weight:	176 lbs. (80 Kg)	Weight:	7.2 lbs. (3.26 Kg)
Resolution:	± 0.044 lb., 07 oz (0.02 Kg)	Power Supply:	One 9V alkaline battery included (P/N MN-1604)
Accuracy:	$\pm 1\%$ of reading	Dimensions:	15" L x 11" W x 3 1/3" H (38 cm x 28 cm x 8.5 cm)
Type of Display:	LCD, Fully Annunciated	Platform Dimensions:	9" x 9" (23cm x 23 cm)
Battery Life:	20 hrs (approx.)	Carrying Case:	ADS-1-CC
Operating Temperature:	32°F to 120° F (0° C to 48.9° C)		

ADS-1 CHARGING AND RECOVERY SCALE

WARNING: THE MAXIMUM TOTAL WEIGHT THAT CAN SAFELY BE PLACED ON THIS SCALE IS 176 POUNDS OR 80 KILOGRAMS. ANY ADDITIONAL WEIGHT WILL PERMANENTLY DAMAGE THE UNIT.

FEATURES

- LCD DISPLAYS IN POUNDS AND KILOGRAMS
- 176 LB. / 80 Kg CAPACITY
- TWO-PIECE DESIGN
- ALL REFRIGERANT CAPABLE
- RUGGED
- EASY TO USE
- ZERO SCALE AT ANY POINT TO MEASURE CHANGE OF WEIGHT/TARE
- EASY BATTERY ACCESS
- AUTO POWER OFF

GENERAL WEIGHT MEASUREMENTS

1. Turn the device on and select the desired units by depressing the "UNITS" button.
2. Carefully place the object to be weighed directly in the center the platform.
3. Gross weight will be displayed.
4. When weighing has been completed, turn the unit off.

SET-UP FOR REFRIGERANT WEIGHING APPLICATIONS

1. Use only on a flat level surface.
2. Remove the platform from the case, in order to provide clearance.
3. Carefully place the refrigerant cylinder in the center of the platform, to ensure proper accuracy.
4. Connect the refrigerant cylinder to a charging manifold via utility hose if charging refrigerant or to a recovery machine if filling the cylinder.

OPERATION

1. Turn unit on and select desired units by pressing the "UNITS" button. Press the "TARE" button if charging.
2. Purge or evacuate air from hoses prior to beginning. Open refrigerant tank valve and manifold valve(s) or turn on recovery unit. As refrigerant flows the display will count up, indicating the weight being removed (if charging) or added (if recovering).
3. Monitor the display; when the desired charge or maximum allowable fill is

reached, close cylinder valve, manifold valves and/or switch off recovery unit.

4. When operation has been completed, push the "OFF" button to turn off unit. Close cylinder valve, disconnect hose(s) and store.

To calculate the amount of refrigerant in a tank, zero scale with nothing on the platform, then weigh the tank. Subtract the tare weight of the tank from this number (tare weight is stamped on the tank).

LOW BATTERY

The display will begin to flicker when the battery needs replacing. Do not operate the unit with low battery.

CAUTION

If scale is to be used for refrigerant recovery purposes.

1. Ensure scale is in calibration by using a known weight.
2. Remove tank, zero and re-verify measurement at least 2 times.
3. Make certain that charging hoses are not interfering with scale operation.
4. Make certain the **ZERO** button cannot be inadvertently pressed while the tank is being filled.
5. When using the "push/pull" method you must monitor the scale closely. Once the "push/pull" siphon has started it can continue and overfill the storage tank, even if it is equipped with a float level sensor (the siphon can continue even if the recovery machine is turned off). You must manually close the valves on the

tank and the recovery unit to prevent over filling the tank.

SPECIFICATIONS

Calibrated to standards traceable to the National Institute of Standards and Technology (N.I.S.T.)

Max. Weight: 176 Lb. (80 Kg)

Resolution: $\pm 0.044\text{lb.}$, 0.7oz, 0.02kg
(The third digit in the kilogram range is inactive)

Accuracy: $\pm 1\%$ of reading.

Power Supply: One 9V alkaline battery (supplied).

Battery Life: 20 hrs (approx.)

Operating Temperature: 32° F to 120° F
(0° C to 48.9° C)

Weight: 7.2 Lb. (3.26 kg)

Dimensions: 15" x 13" x 3 1/3"
(38cm x 28cm x 8.5cm)

Platform Dimensions: 9" x 9"
(23cm x 23cm)

FOR TECHNICAL ASSISTANCE AMPROBE INSTRUMENT

1-800-477-8658

For repair please call AMPROBE at (516)593-5600 to obtain a Return of Materials Authorization (RMA) number. The unit should then be securely wrapped to prevent further damage in transit, insured and sent to: Service Division, AMPROBE INSTRUMENT, 630 Merrick Rd. (for U.P.S.), P.O. Box 329 (for P.P.), Lynbrook, NY 11563-0329