

RENCO

LEAN-MEATER[®] TYPE LM-8 "Ultrasound For Ultra-Profits"[™]

A computerized, direct-reading, digital instrument for measurement of backfat thickness. For accurate, scientific, and foolproof backfat grading through the use of ultrasound.

The market demands lean pork! When you as a producer, market the kind of pork the customer wants, the demand for your pork will increase, and so will your profits! Today, the packer will pay more for high quality lean pork. Tomorrow, the packer not only will pay more for lean, but will also discount heavily for FAT. You can determine your true PORK VALUE with the RENCO LEAN-MEATER.

A time tested and proven digital instrument for the measurement of backfat depth, the RENCO LEAN-MEATER has now been improved to indicate the third layer of backfat. For accurate and scientific backfat testing on market weight swine using ultrasound, the RENCO LEAN-MEATER is the instrument of choice.

The RENCO LEAN-MEATER makes backfat measurements by the use of high frequency sound waves (called "ultrasound"). The animals are neither hurt or irritated. Ultrasound is **SAFE**; no piercing the skin, no danger of infection.

Ultrasound is **FAST**: Measurements are made quickly and easily. Use a little coupling fluid, press the push button, place the probe on the back. Rock the probe and the backfat measurement will appear.

This truly unique device is the first of its kind giving direct readings of backfat depth, electronically, in big bright numbers. Proven **ACCURATE** to within ± 1 mm (.039") or 1 digit, and can measure total thicknesses from 5 - 40 mm.

The technology on which the RENCO LEAN-MEATER is based, has earned it two U.S. and numerous foreign patents. It is the only patented device of its type—your assurance of state of the art technology.

Computerized, second backfat layer circuitry

Special computerized circuitry automatically measures to the bottom of the second layer of backfat. An LED lamp lights when the measurement has been completed. This assures that readings will be highly accurate and stable.

New

A new feature has now been added—the ability to measure the "THIRD LAYER" of backfat. The computerized circuitry and the "third layer" switch now allow the user to determine if the third layer exists and to accurately measure the depth of three layers of fat at the 10th to 12th rib site.

Most hogs of market age and weight express only two layers of fat, but a third layer can also be present. The third layer will "fill" with fat usually as the animal ages and increases in weight.

**NOW MEASURES
THIRD LAYER
BACKFAT**



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The RENCO LEAN-MEATER will measure the depth of three layers of fat at the 10 to 12 rib. (The depth of the third layer of fat varies greatly even over small areas of the body. Accurate measurement of the third layer depth is possible at the 10 to 12 rib, however measurements taken over the shoulder and the ham may not be accurate due to muscle tissue that would cause a false reading of fat.)

To measure the third layer

Set the toggle switch to the third layer position. Place the probe over the 10 to 12 rib, the LED lamp will light if a third layer is present and the measurement is displayed in the window. When the LED lamp will not light, it indicates no third layer fat is present. Setting the switch to the second layer position, will allow an accurate measurement reading of the two layers of fat to be taken. **DO NOT ATTEMPT TO MEASURE THIRD LAYER FAT OVER THE SHOULDER OR THE HAM, THE MEASUREMENTS MAY NOT BE ACCURATE.**

LED's (Light-Emitting Diodes) assure crisp, sharp readings

Digital wrist watches use the LCD which is fragile and difficult to read in dim light. The RENCO LEAN-MEATER uses bright LED's which assure ease of reading in the dimmest light, operation at low temperatures, and for superior durability and ruggedness. Only the RENCO LEAN-MEATER uses an LED display.

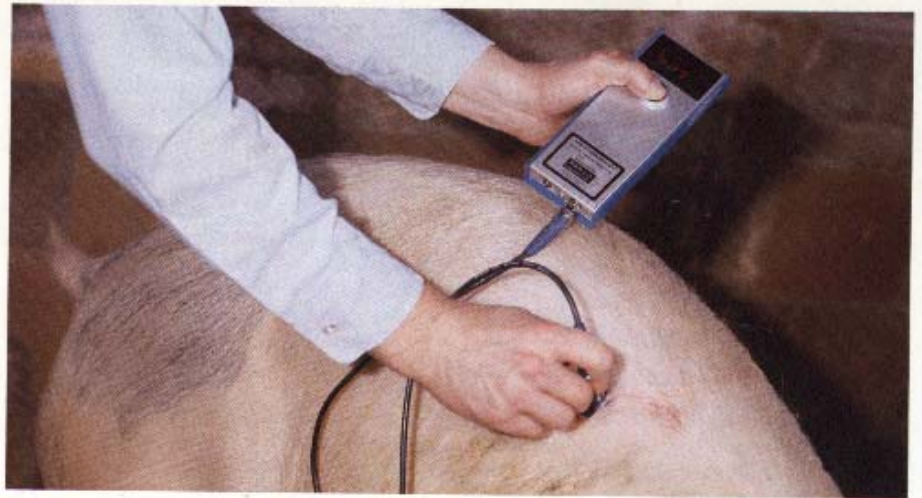
Measures in millimeters

Measurements are made in millimeters, the most widely used measuring system in the world. This provides for greater resolution and accuracy, than a system measuring in "inches". Since the reading is directly given in millimeters, no interpretation is necessary and greater accuracy is achieved.

Rechargeable Nicad Batteries.

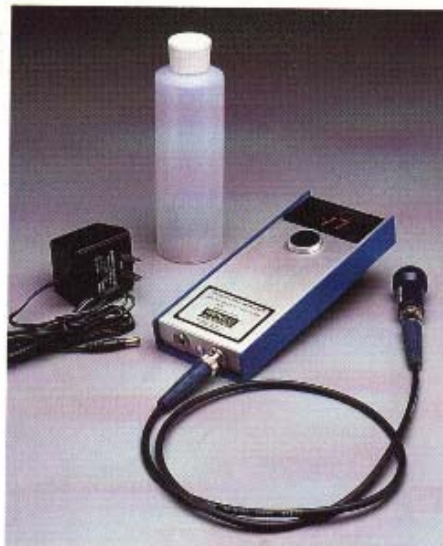
Automatic low battery indication

Specially selected Nicad battery packs will last for years, and give many hours of testing on one overnight charge. A low battery power feature causes the digits to flash when the battery needs recharging, assuring the user against erroneous readings due to insufficient power. Battery charger is included.



Rugged, all-metal construction . . . and, small enough to slip in your pocket

All-metal construction guards against interference from radio and television waves in the atmosphere, a major accuracy problem with some ultrasound instruments. Constructed of heavy gauge aluminum for ruggedness and ease of cleaning, but lightweight, and small enough to slip in your pocket.



Specifications for RENCO LEAN-MEATER, TYPE LM-8

General: All solid-state, computerized circuitry. Environmentally protected circuit board. All-metal case.

Operation: Measures backfat in 10 seconds or less. Signal given when measurement is complete.

Range: 5-40 mm (0.197"-1.575").

Accuracy: ± 1 digit or ± 1 mm (.039").

Display: 2-digit LED with separate "Ready" LED. Highly visible in dim surroundings.

Controls: On/Off push button. Toggle switch for selecting 2 or 3 layer measurement.

Power Supply: Internal, 5.0 volt, rechargeable Nickel-Cadmium battery pack, battery charger included.

Battery Pack Life: Approximately 2-4 years (1000 charges/discharges).

Operating Time: 6-10 hours on full charge. Recharge in 12-14 hours.

Battery Charger: 115 Volt included, 230 available.

Size: (cm) 18x7x2.5; (in) 7x2.75x1.

Weight, Lean-Meater Only: 340 gm (12 oz.).

Shipping Weight, Complete Package: 850 gm (1.87 lbs.).



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