



RENCO LEAN MEATER

Code no: 1603446

ULTRASOUND FOR ULTRA-PROFITS!

The Lean-Meater Series 12 is a microprocessor controlled A-Mode ultrasonic instrument. It is designed to measure the total thickness of the skin and up to three layers of back fat. When the measurement is complete, the instrument will display the number of fat layers detected and the total thickness in millimeters with a greater accuracy than ever before.

The Series 12 has a number of new features. Two of the most significant are the automatic detection of the number of layers present and the display of the result.

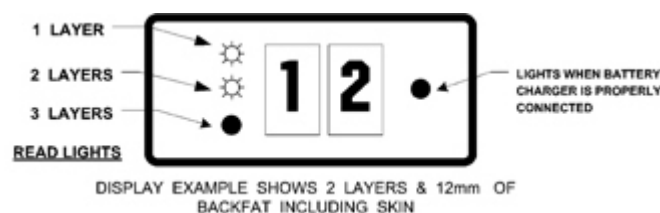
The primary use is the measurement of back fat in swine for the determination of sow condition, gilt selection, quality and other genetic aspects. Other uses include fat measurement in cattle, sheep and other land animals, as well as blubber measurement in aquatic animals. (The Lean-Meater is not intended for measurement of muscle tissue.)

The use of LED's (Light Emitting Diodes) assures sharp, crisp, readings. Only the Lean-Meater uses an LED display which will operate over a wider range of temperature and be more visible under adverse light conditions.

The instrument features rugged all-metal construction and a Nickel Metal Hydride—"green"—rechargeable battery, which does not need to be recycled. Battery charging and low power indicators are also provided.

The instrument is fast. Measurements are made quickly and easily as follows:

Simply wet the test site (usually by the last rib) with a coupling fluid, such as liquid paraffin, press the button to turn the instrument on and apply to the test site. Move it around to remove air bubbles. The display locks in when the total depth and number of layers has been determined. Note the reading on the display, which from left to right, shows the number of fat layers detected and the digital reading of total thickness of skin and fat layers. The illustration shows the various displays.





Specifications:

What's in the box: Lean-Meater instrument, probe, probe cable, charger, container for coupling fluid, test cylinder, instructions.

General

- All solid-state computerized circuitry
- Environmentally protected circuit board

All-metal case

Operation

- Measures back fat in 10 seconds or less
- Signal given when measurement is complete

Range / Accuracy

4-35 mm +/- 1 digit

Display

- 2-digit LED for thickness
- 3 LED's to indicate 1, 2 or 3 layers being measured.

Battery charging LED

Controls

On/Off push button

Power Supply

Nickel Metal Hydride battery

Battery Pack Life

Approximately 2-4 years (1000 charges/discharges)

Operating Supply

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

Battery Charger

230-volt

Size

- 18 x 7 x 2.5 cm
- Weight (Lean-Meater Only) 340 gm

Shipping Weight, Complete Package

- 850 gm

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