

**The Documentation List for Deer Scale(DDS-330) FCC test**

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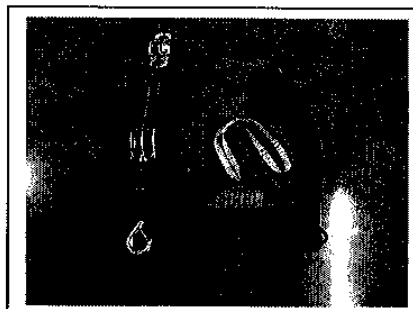
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**CONFIDENTIAL****JingLiang Electronics (ShenZhen) Co., Ltd.**

Product Specification for Electronic Scale

Model Name: DDS-330 Deer scale (Kg/Lb)

Documents No.: 637

**DOCUMENT No.: 637****REVISION: 1****EFFECTIVE DATE: Nov.15.2004****REVISION DATE: April 25, 2005****Product Description: DDS-330 Deer Scale (Kg/Lb)**

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Rev.	ECN#	Description	By	Date

DISTRIBUTION:ENGG( C ), RDL, RDL/QA

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**1.0 UNIT DESCRIPTION****1.1 General Description:**

This is an electronic scale specially designed for weighing deer, with remote LCD digital readout.

**1.2 Operating Conditions:**

**Conduct all measurements with charged battery.**

1.3.1 Temperature operating range:  $25^{\circ}\text{C} \pm 14^{\circ}\text{C}$

1.3.2 Humidity operating range: 20% to 95%

1.3.3 Storage temperature:  $-10^{\circ}\text{C} + 60^{\circ}\text{C}$

**1.3 Net Weight:**

- scale unit: 1.2Kg
- display unit: 0.163 kg.
- Individual pulley: 0.347 kg
- Cinch gambrel: 0.195 kg

**1.4 Size:**

- scale unit: 241 mm x 82 mm x 50mm
- display unit: 137.6 mm x 69 mm x 26.5 mm
- individual pulley: 130 mm x 47 mm x 40 mm
- gambrel: 1.6 inch, cinch: 2.1 inch
- black rope: 31.5 inch

**1.5 Features:****Technical Parameters:**

- Capacity: 0 to 150Kg / 0 to 330Lb
- Operation Range: 5 to 150Kg / 10 to 330Lb
- Resolution:
  - Weight: 0.1Kg / 0.2Lb
- Accuracy:
  - Weight:  $\pm(1\% + 0.1\text{kg} / 0.2\text{lb})$
- Display: 1.26" digit LCD display
- Sensitivity/Memory:  $\pm 1 \text{ Lb} / 0.5\text{Kg}$
- Repeatability:
  - Weight:  $\pm 0.3\text{Kg} / \pm 0.6\text{Lb}$  on two successive readings.
- Power requirement:
  - 3pcs AAA replaceable batteries for base scale.
  - 3pcs AAA replaceable batteries for remote unit.
- Battery life:
  - Base: 5 minutes per day for one year.
  - Remote: 5 minutes per day for 1.5 years.
- Low Battery Warning:
  - Base: "L" shows at 3.5 Volts or below.
  - Remote: "Lo" shows at 3.5 Volts or below.
- ESD: contact discharge at  $\pm 4\text{Kv}$  and air discharge at  $\pm 8\text{Kv}$ .

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**Related Functions:**

- Automatic Zero Tare: Y
- Auto Shut Off : N
- Convertible Control: Y
- Weighing mechanism: AL beam
- Overload Indication: Err

**2 Cosmetic Requirements:**

Part Name	Material	Color	Texture	Remark
Base top cover	ABS	black	TBD	
Base bottom cover	ABS	black	TBD	
Base battery door	ABS	black	TBD	
Remote top cover	ABS	black	TBD	
Remote bottom cover	ABS	black	TBD	
Remote battery door	ABS	black	TBD	
Lens	PMMA	Clear	TBD	
LCD		1.26" black digit, white background		

**3. Scale Performance:**

Deer scale has 2 separate units, the scale unit and the display unit. Before use, the scale unit must be installed properly.

Keys on Transmitter/Scale Unit: slide switch for on/off, reset button

Keys on Receiver/Display Unit: Kg/Lb/Code switch, Lock/Unlock key, on/off/tare key

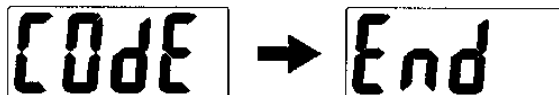
The maximum distance between the scale unit and the display unit is 20 meters in an open area. Obstacles such as walls and buildings etc. will minimize the transmission and receiving distance.

**Code Recognition** (code recognition is done in factory, you need to do this only when you have a mismatched set)

- With batteries installed in the display unit and scale unit, set slide switch at "code" position, press on/off/tare button.
- "CODE" starts flashing. Press reset button in the scale unit. 2 units start to communicate.



- "CODE" becomes stable and then "End" shows to indicate code has successfully recognized.



- Both units will turn off once the code recognition is completed. Repeat from the beginning of code recognition has failed

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**Weighing Operation**

- Choose kg or lb by the setting slide switch in display unit.
- Press ON/OFF/TARE to turn on the display unit and set the slide switch at ON position to turn on the scale unit.
- LED in scale unit light turns on. The display unit starts to receive signals from the scale unit and "888.8" blinks until signals are received..



- Wait until "00.0" shows on the display, then hang the deer on the scale hook



OR



- Display receives the weight and displays it on the screen. Reading will be updated if the weight has been changed.



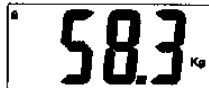
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- Press LOCK to lock the weight if there is no change of weight or



OR



- Press ON/OFF/TARE to tare or remove the weight and weigh another load when "00.0" appears.

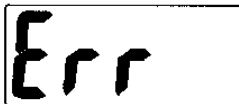


OR



- To conduct another weighing operation after the weight is locked, simply press LOCK again to unlock and start to weigh.
- To shut down both units, press ON/OFF/TARE and hold it for about 3 seconds and set the slide switch in scale unit at OFF position.

Note: "Err" will show if scale is overloaded, scale resumes to work normal once the load is reduced to operation range.



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