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SCIENCE
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Teaching Guide

Cod. LG501
ELECTRONIC DIGITAL SCALE 0.1 G

1. INTRODUCTION
2. OPERATION
3. TARE WEIGHING
4. COUNTING FUNCTIONS
5. CALIBRATION
6. SPECIFICATIONS
7. TROUBLESHOOTING

1. INTRODUCTION

• Never load the scale with more than the maximal capacity.
• Avoiding any exposure to extream heat or cold, your scale works better when operated at normal room temperature. Always allow the scale to acclimate to normal room temperature for at least one hour before use.
• Give your scale sufficient warm up time. Usually 30 to 60 seconds before calibration to give the internal components a chance to stabilize.
• Keep your scale in a clean environment. Dust, dirt, moisture, vibration, air currents and a close distance to other electronic equipment can all cause an adverse effect on the reliability and accuracy of your scale.
• Handle with care. Gently apply all items to be weighed onto tray top. Although this scale is designed to be quite durable, try to avoid rough treatment as this may permanently damage the internal sensor.
• Avoiding shaking, dropping or otherwise shoking the scale. This is a precision intrument and must be handled with extreme care.
• Only operate the scale on a stable, vibration free surface.

2. OPERATION

Place the scale on a horizontal flat surface.

Press the [ON/OFF] key to turn the scale on.
Wait until "0.0" is displayed.
place the object(s) on the weighing platform.
By pressing the [MODE] key, you can swtich between weighing units.
To turn the scale off, press and hold the [ON/OFF] key.

3. TARE WEIGHING

Turn on the scale as described above.
Place a tray or container on the scale platform.
Press [TARE] key and wait until "0.0" is displayed.
Add the "net-weight-item".

4. COUNTING FUNCTION

Turn on the scale and wait until the LCD display "0.0".
Place a sample amount (25pcs, 50pcs, 75pcs or 100pcs) of the quantity you wish to weigh and count onto the platform.
Press and hold the [PCS] key for 2 seconds; the LCD will display a random number, for example "100".
Press the [MDOE] key to select the sample amount of the item that you have put onto the platform.
Press [PCS] key to confirm the above information, the LCD will now display "pcs" in the corner to show that the scale is in counting mode.
Remove the sample quantity from the platform.
You can now place any amount of your item(s) on the scale and the LCD will display a count.
You can switch between weithing mode and counting mode by pressing [MODE] e [PCS] key respectively.

5. CALIBRATION

Turn the scale on and wait until the LCD displays "0.0".
Press the [CAL] key until the LCD displays "CAL", release the [CAL] key.
Press [CAL] key again, the display will show "CAL" followed by required calibration weight.
Put the required calibration weight on the center of the platform, than the LCD display reads "PASS" and return to normal weighing mode, finished!

5. SPECIFICATIONS

Max range: 1000 g
Sensibility: 0.1 g
Tare range: tare full capacity
Auto off: 120 seconds
Operation temperature: 10 to 30°C
Display: LCD, 6 digits
Power: AC adaptor (included) or 4xAA batteries

5. TROUBLESHOOTING

[Err]   Re-calibration the scale as showed above.
[OUT2]   Re-calibration the scale as showed above.
[OLD]   You are overloading the scale. Remove the excessive load immediately.
[UnST]   Use the scale in a stable position.
[PASS]   Calibration passed.

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