



QBL-Scale™

The RRU™ - Rapid Response Unit Scale



User's Manual

Please read this manual carefully before starting the machine. Keep it in a safe place for future reference. If the device is resold, this manual must be handed over to the purchaser along with the device.

Contents

| | |
|--|---|
| Notes on using the instruction manual..... | 4 |
| 1. General Information and Warnings..... | 4 |
| 2. Warnings..... | 5 |
| 3. EMC Compliance..... | 5 |
| 4. Sharp Objects..... | 5 |
| 5. Cleaning the Indicator..... | 6 |
| 6. Specifications..... | 6 |
| 7. Calibration & Service Needs..... | 7 |
| 8. Warranty and Return Policy..... | 7 |

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Notes on using the instruction manual

Thank you for purchasing the QBL-Scale™. Please read all instructions carefully before using the scale and keep the following points in mind:

Avoid lengthy exposure to extreme heat or cold. Your scale works best when operated at normal room temperature. Always allow the scale to reach room temperature before use.

These electronic scales are precision instruments. Do not operate near an in-use cell phone, radio, computer or other electronic device. These devices emit RF and can cause unstable readings. If your scale ever performs poorly, please contact Creche Innovations at 913.948.6290 and ask for the service department.

1 General Information and Warnings

1.1 About this Manual

This manual is divided into chapters by the chapter number and the large text at the top of a page. Subsections are labeled as shown by the 1 and 1.1 headings shown above. The names of the chapter and the next subsection level appear at the top of alternating pages of the manual to remind you of where you are in the manual. The manual name and page numbers appear at the bottom of the pages.

1.2 Text Conventions

The keys used to interface with the QBL-Scale™ are located on the front panel of the indicator. The keystrokes are shown in **BOLD**. (e.g. **ZERO**)

Displayed messages appear in **BOLD italic** format (e.g. *Hld.01*) type and reflect the case of the displayed message.

1.3 Special Messages

Examples of special messages you will see in this manual are defined below. The signal words have specific meanings to alert you to additional information or the relative level of hazard.



CAUTION!

This is a Caution symbol.

Cautions give information about procedures that, if not observed, could result in damage to equipment or corruption to, loss of data, and voiding of warranty.



ELECTRICAL WARNING!

THIS IS AN ELECTRICAL WARNING SYMBOL.

ELECTRICAL WARNINGS MEAN THAT FAILURE TO FOLLOW SPECIFIC PRACTICES OR PROCEDURES MAY RESULT IN ELECTROCUTION, ARC BURNS, EXPLOSIONS OR OTHER HAZARDS THAT MAY CAUSE INJURY OR DEATH.

2 Warnings

Read all operating instructions carefully before use. Avoid lengthy exposure to extreme heat or cold. Your QBL-Scale™ works best when operated at normal room temperature. *Always allow the scale to acclimate to a normal room temperature before use.*

Allow sufficient warm up time. Turn the QBI-Scale™ on and wait for a few minutes. This will give the internal components a chance to stabilize before weighing.

These electronic scales are precision instruments. Do not operate near an in-use cell phone, radio, computer or other electronic device. These devices emit RF and can cause unstable scale readings.

Avoid using in heavy vibration and airflow conditions.

Read the weight shortly after loading. The output of the loadcell and A/D may be a little influenced after weight sits for a long time.



DANGER: FOR YOUR PROTECTION, ALL MAINS (110V OR 230V) EQUIPMENT USED WHERE DAMP OR WET CONDITIONS MAY OCCUR MUST BE SUPPLIED FROM A CORRECTLY FUSED SOURCE AND PROTECTED BY AN APPROVED GROUND FAULT PROTECTION DEVICE (RCD, GFCI ETC.)



DANGER: RISK OF ELECTRICAL SHOCK. PLEASE CONTACT CRECHE INNOVATIONS. NO USER SERVICABLE PARTS.

3 EMC COMPLIANCE

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

4 Sharp Objects

Do not use sharp objects such as screwdrivers or long fingernails to operate the keys.

5 Cleaning the Indicator

| DO | DO NOT |
|--|---|
| Wipe down the outside of standard products with a clean cloth, moistened with water and a small amount of mild detergent | Attempt to clean the inside of the indicator |
| | Use harsh abrasives, solvents, scouring cleaners or alkaline cleaning solutions |
| Spray the cloth when using a proprietary cleaning fluid | Spray any liquid directly on to the display window |

6 Specifications

| | |
|-----------------------|--|
| Models | LPS-15 (15 kg / 30 lb) , LPS-150 (68 kg / 150 lb), LPS-400 (182 kg / 400 lb) |
| Calibration Method | Software calibration with long term storage in EEPROM |
| SERIAL COMMUNICATIONS | |
| Mode | Full Duplex |
| Baud rate | 1200, 2400, 4800, 9600, 19,200 bps |
| Data format | 7 data bits, even or odd parity, 1 stop bit 8 data bits, non-parity, 1 stop bit |
| Protocol | Compatible with NCI standard SCP-01 |
| OPERATION INTERFACE | |
| Display | 0.65" (17 mm) 7-segment LCD, 5 1/2 digits |
| Keyboard | 4-key push button |
| POWER | |
| Alkaline Batteries | 4 x "AA" batteries (When all displayed segments of the LCD display flash, the batteries are low and should be replaced immediately.) |
| DC Power Consumption | 25mA@6Vdc (does not include load cell's consumption) |
| Operation temperature | 9° to 107°F (5° to 35°C) |

7 Calibration & Service Needs

There are no user serviceable parts. Please contact Creche Innovations for any Calibration or Service needs at 913.948.6498 or Info@CrecheInnovations.com

8 Warranty and Return Policy

Creche Innovations warrants the OBL-Scale™ to be free from defect in materials and workmanship for a period of two years from the date of shipment to the user. If the product fails to perform in accordance with the product specifications, Creche will repair or replace, at its option, the defective materials or parts. Creche will pay customary freight charges from Creche to the customer location only. This warranty does not cover damage caused by accident, misuse, abuse, alteration and other defects not related to material or workmanship. To exercise your rights under this warranty, contact Creche Innovations.

The user/owner must operate the equipment in strict accordance with the most recent User Manual and any additional training or training materials provided by Creche designated representatives.

The user/owner of this equipment shall have sole responsibility and liability for any injury to person or damage to property resulting from: 1) Operation not in accordance with supplied operating instructions, 2) Maintenance not in accordance with authorized maintenance instructions, 3) Service by anyone other than a factory authorized representative, 4) Modification of the equipment or accessories, 5) Use of damaged or unauthorized components and accessories and 6) Improper installation.

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17745 Metcalf
Building One
Stilwell, KS 66085
913-948-6290

www.crecheinnovations.com