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Gallagher 13053

Gallagher W310 v2 Automatic Weigh Scale User Manual

Model: 13053 | Brand: Gallagher

Introduction

The Gallagher W310 v2 Automatic Weigh Scale is an entry-level device designed for efficient and accurate livestock weighing. It features basic two-way drafting capability and seamless integration with the HR5 Hand Held EID Tag Reader. This manual provides comprehensive instructions for setting up, operating, and maintaining your W310 v2 weigh scale to ensure optimal performance and longevity.

Figure 1: The Gallagher W310 v2 Automatic Weigh Scale, shown in its open position, displaying the screen and control buttons.

Key Features:

- **Automatic Weight Capture:** Enables rapid and accurate weight capture regardless of animal movement.
- **Two-Way Drafting:** Basic drafting capability with a second screen for statistics display, including number of animals weighed, maximum, and minimum individual weights.
- **Device Communication:** Inbuilt communication port for sending weight data to computers or printers, equipped with APS standard.
- **Bluetooth Connectivity:** Allows a Bluetooth adapter to be powered from the weigh scale, enabling weight data transfer to HR5 Hand Held EID Tag Readers or custom software applications.
- **Multiple Weighing Modes:** Choose between Auto-weighing, Manual weighing, and Fine weighing for various operational needs.
- **User-Friendly Interface:** Large, easy-to-read backlit display screen, clearly labelled push buttons, and a smooth-action rotary switch for mode selection.
- **Durable Design:** Tough, water-resistant case for protection in harsh environments.
- **Internal Rechargeable Battery:** Long-lasting battery with charge indicator and low voltage shutdown, can be powered externally if needed.

Setup and Installation

Proper setup is crucial for accurate and reliable operation of your Gallagher W310 v2 Weigh Scale. Follow these steps carefully:

1. **Unpacking:** Carefully remove the weigh scale from its packaging. Inspect for any signs of damage. Retain packaging for future transport or storage.
2. **Charging the Battery:** The W310 v2 has an internal rechargeable battery. Before first use, fully charge the unit using the provided AC adapter. Connect the adapter to the charging port on the scale and plug it into a suitable power outlet. The charge indicator on the display will show charging status.
3. **Connecting Load Bars:** The W310 v2 is designed for use with Gallagher load bars (sold separately). Connect the load bar cables to the appropriate ports on the weigh scale. Ensure connections are secure.
4. **Mounting the Scale:** Mount the weigh scale in a secure, stable location, typically near the weighing platform or crush. Ensure it is protected from direct impact and excessive moisture, although it features a water-resistant case.
5. **Initial Power On:** Press and hold the power button to turn on the scale. The display will illuminate, and the system will perform a self-check.
6. **Connecting to External Devices (Optional):**
    - **HR5 Hand Held EID Tag Reader:** To connect via Bluetooth, ensure the Bluetooth adapter is powered from the weigh scale. Follow the pairing instructions for your HR5 reader to establish a connection.
    - **Computer/Printer:** Use the inbuilt communication port (serial or USB, depending on model/adapter) to connect to a computer or printer for data transfer. Refer to your computer's or printer's manual for specific connection details.

Figure 2: The Gallagher W310 v2 Weigh Scale mounted and in operation within a livestock handling system, demonstrating a typical installation.

Operating Instructions

The W310 v2 offers multiple weighing modes to suit different operational needs. Familiarize yourself with the controls and modes for efficient weighing.

Controls Overview:

- **Rotary Selector Knob:** Used to navigate between different weighing modes and settings.
- **WEIGH Key:** Initiates a manual weighing cycle.
- **ZERO Key:** Zeros the scale before weighing.
- **DELETE Key:** Deletes the last recorded weight or clears data.
- **F1/F2 Keys:** Function keys for additional options or settings.
- **Backlit Display:** Shows weight, mode, battery status, and other information.

Weighing Modes:

Rotate the selector knob to choose your desired weighing mode:

1. **Auto-weighing Mode:**

   In this mode, the animal's weight locks automatically once stable, allowing for fast, hands-free weighing. This is ideal for high-throughput operations.

   - Ensure the scale is zeroed before an animal enters the platform.
   - Once the animal is on the platform, the scale will detect its presence and automatically lock onto a stable

weight.

- The locked weight will be displayed and can be recorded or sent to connected devices.

2. **Manual Weighing Mode:**

   This mode gives the operator full control over the weighing cycle. The weight is recorded only when the WEIGH key is pressed.

   - Place the animal on the platform.
   - Wait for the animal to settle.
   - Press the **WEIGH** key to capture and record the weight.

3. **Fine Weighing Mode:**

   Designed for small load weighing, this mode operates with no zero tracking for greater accuracy. It is suitable for precise measurements where minimal movement is expected.

   - Ensure the platform is clear and stable.
   - Place the item to be weighed carefully on the platform.
   - The scale will display the precise weight.

Data Management:

- **Statistics Display:** The second screen provides statistics such as the number of animals weighed, maximum weight, and minimum weight.
- **Sending Weights:** If connected to an HR5 Hand Held EID Tag Reader or other devices via Bluetooth or communication port, weights can be sent and recorded against individual animal IDs.

Figure 3: Detailed view of the Gallagher W310 v2 Weigh Scale highlighting its key features, including built-in Bluetooth connectivity, multiple weighing modes, and the large display.

MAINTENANCE

Regular maintenance ensures the longevity and accuracy of your Gallagher W310 v2 Weigh Scale.

- **Cleaning:**

  The W310 v2 has a tough, water-resistant case. Clean the unit regularly with a damp cloth. Avoid using abrasive cleaners or solvents that could damage the display or casing. Ensure all ports are free of debris.

- **Battery Care:**

  To maximize battery life, avoid fully discharging the battery frequently. Recharge the unit when the low voltage indicator appears. If storing the unit for an extended period, ensure it is charged to approximately 50% and recharge every few months.

- **Storage:**

  When not in use, store the weigh scale in a dry, cool place, away from direct sunlight and extreme temperatures. Use the original packaging if available for added protection.

- **Inspection:**

  Periodically inspect cables, connectors, and the casing for any signs of wear or damage. Replace damaged components immediately to prevent further issues.

Troubleshooting

This section provides solutions to common issues you might encounter with your W310 v2 Weigh Scale.

Problem	Possible Cause	Solution
Scale does not turn on.	Battery is fully discharged or faulty.	Connect the AC adapter and charge the unit. If it still doesn't turn on, the battery may need replacement or contact support.
Inaccurate weight readings.	Load bars not properly connected or damaged; scale not zeroed; unstable weighing platform.	Ensure load bars are securely connected. Press the ZERO key before weighing. Verify the weighing platform is stable and level.
Cannot connect to HR5 Reader via Bluetooth.	Bluetooth adapter not powered; incorrect pairing procedure; interference.	Ensure the Bluetooth adapter is powered. Re-attempt pairing following instructions for both devices. Reduce interference by moving closer to the HR5 reader.
Display is dim or flickering.	Low battery; extreme temperatures.	Recharge the battery. Operate the scale within its specified temperature range.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact Gallagher customer support.

Specifications

Feature	Detail
Manufacturer	Gallagher
Part Number	13053
Product Dimensions	23.5 x 21.5 x 9.5 cm
Item Weight	3.4 kg
Colour	Orange

Feature	Detail
Display Style	LCD
Special Features	Backlit Display, Internal Rechargeable Battery, Bluetooth Connectivity (via adapter)
Power Source	Internal Rechargeable Battery / AC Adapter
First Available Date	11 February 2020

Warranty and Support

The Gallagher W310 v2 Automatic Weigh Scale comes with a**one-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.
For warranty claims, technical support, or further assistance, please contact Gallagher customer service. You can typically find contact information on the official Gallagher website or through your local distributor.
Please have your product model number (13053) and proof of purchase ready when contacting support.

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Documents - Gallagher – 13053

Society of Broadcast Engineers 2009-10 Membership Directory & Buyers' Guide
This document is a comprehensive directory and buyer's guide for the Society of Broadcast Engineers (SBE) for 2009-2010. It includes a membership listing, information on SBE's history, governance, services, and a buyer's guide for broadcast engineering equipment and services. It also features the Kathrein MSK-200 Digital Television Signal Analyzer.
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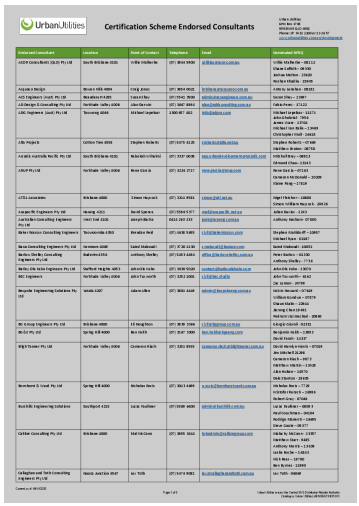

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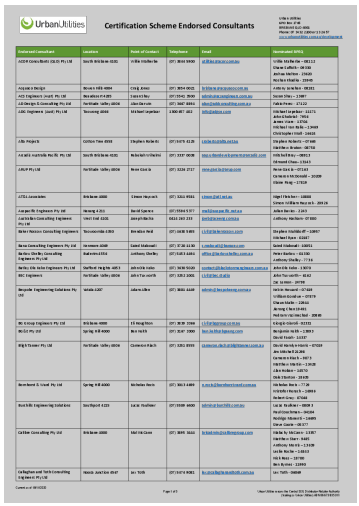

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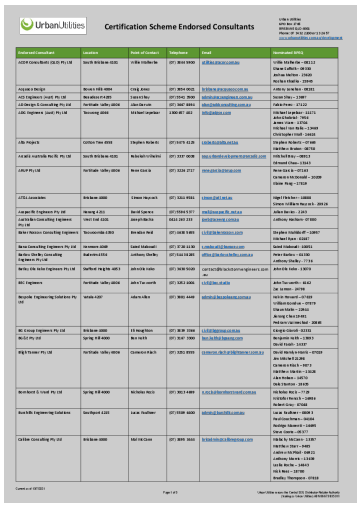

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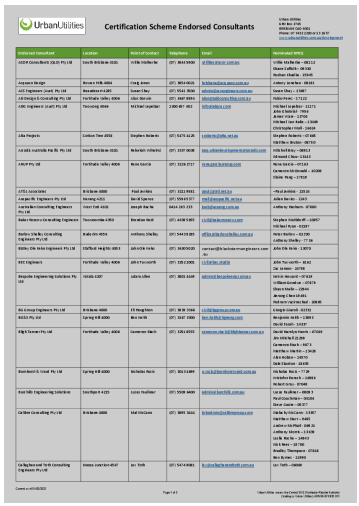

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