GURIT SCALES

SIMPLE TO USE WEIGHING SYSTEM FOR GURIT PRODUCTS

- ¬ Compatible with the entire Gurit epoxy formulated product range

- ¬ Error proof solution for an accurate mix ratio

- ¬ User friendly step-by-step commands

- ¬ Visual & numerical graphics show real time weighing-out status with audio confirmation when the correct amount has been weighted

- ¬ No mathematical mix ratio calculations are required

- ¬ Data capture feature for tracking resin usage

- ¬ Automatically compensates if too much resin or hardener added

- ¬ Ensures accuracy and optimum performance for Gurit's Epoxy resin systems

- ¬ Built-in calibration process

- ¬ Weighing capability range: 150g to 30 kg +/- 0.1% tolerance

- ¬ Patent Pending technology: GB1818039

INTRODUCTION

Traditionally the use of epoxies has been widely used by industrial boat builders, but its perceived complexities and difficulties has been a barrier for DIY and hobbyists.

Gurit has devised a solution specifically to overcome these barriers and improve user experience by introducing innovative weighing equipment that automatically calculates resin and hardener quantities: Gurit SCALES

Additional Features include

- ¬ Foot switch function for hands- free accurate component dispensing
- ¬ Audio alarm on/off option
- ¬ Lightweight and compact unit
- ¬ Waste reduction – only weight the exact amount of resin required
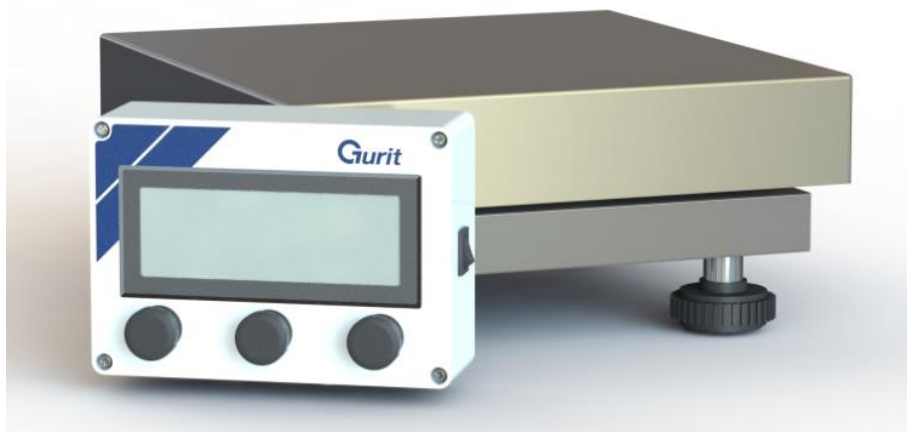- ¬ Faster weighing for reducing processing cycle time

PRODUCT INFORMATION & SET UP

GETTING STARTED

1. Unpack all parts from within packaging and ensure all Contents of the Box are included (see below for details)

2. Read this enclosed document

3. Position weighing platform onto a level flat/secure surface, lift off the pan lid and reduce the height of the (4) off transport bolts by loosening the locking nut and winding the bolt down to reveal approximately 5-10mm gap.

4. Adjust weighing platform by rotating the (4) off feet, to provide an even distribution of the weighing platform to the flat surface. (No pivoting or rocking motion should be present once adjusted)

5. Mount Gurit SCALES to a suitable height and surface. (2) Off self-tapping screws have been provided. Insert screws into the (2) X 4mm diameter upper holes in reverse of the unit, attach your hanging device and tighten screws securely.

6. Connect, weighing platform, Foot switch and power supply cables into relevant plug sockets on the Gurit Sales unit

7. The foot switch activation simulates the 'OK' button being pressed

8. Switch on power supply at the mains and on the unit

9. To test accuracy, select any recipe from the library (refer to Page 4 for selecting recipe process) and add a known weight onto the centre of the weighing platform. This known weight should read identical on the Gurit SCALES display

10. It is always good practise to position the load in the centre of the weighing platform

11. Should the display not read correctly, a load cell calibration process is required. Follow the Load Cell Calibration Process in the following section.

CONTENTS OF THE BOX

- (1) Weighing Scales Unit
- (1) Weighing Platform
- (1) Universal Power Adaptor
- (1) Foot Pedal Switch
- (2) Self Tapping Screw For Mounting Option
- (1) Certificate Of Conformance
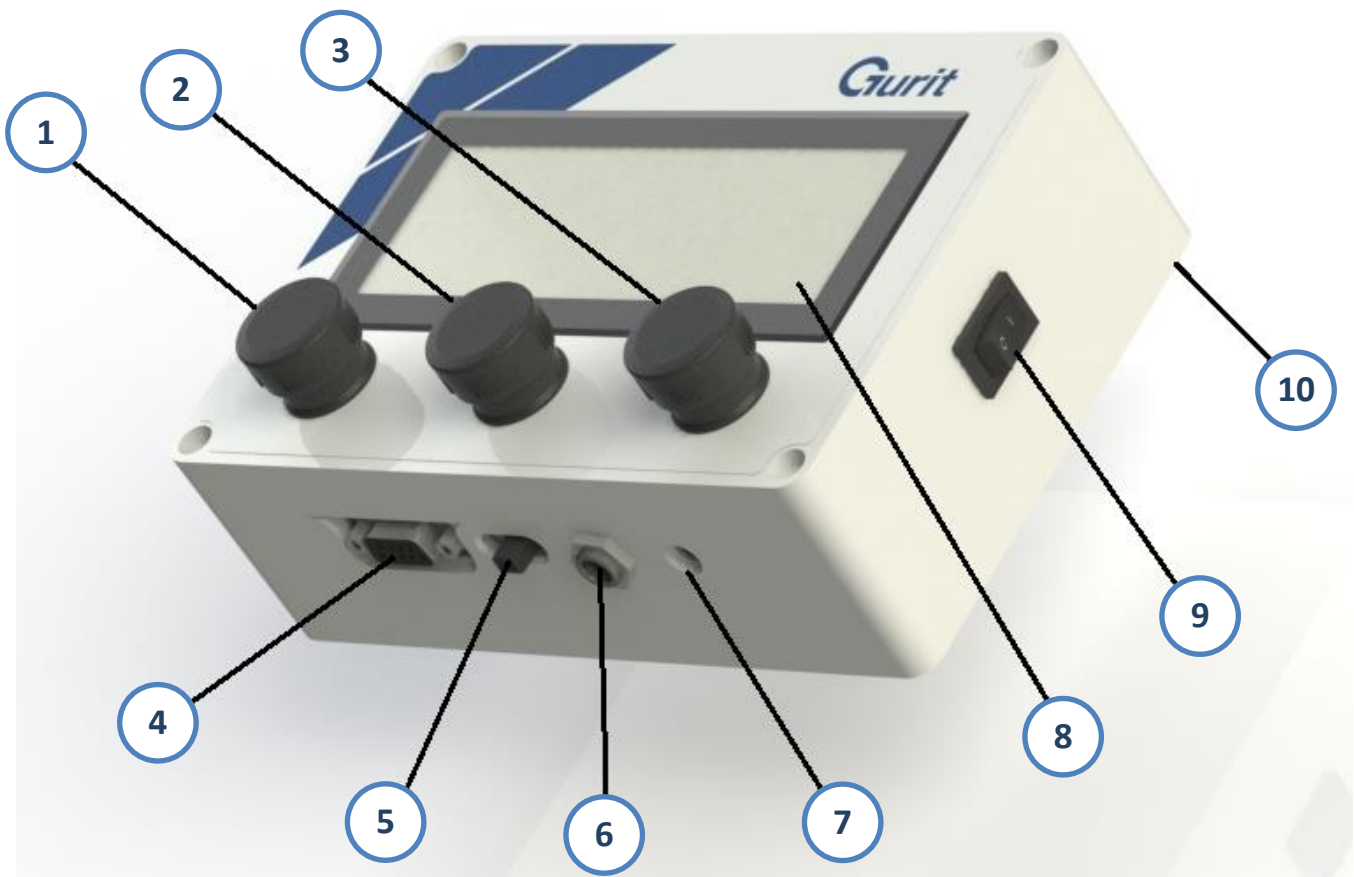- (1) User Documentation

INSTRUCTIONS FOR USE

GURIT SCALES FUNCTIONS

Before proceeding to the operating instructions, we recommend that you first familiarise yourself with the key features and controls as detailed below.

1. Button 1 (reset)
2. Button 2 (scroll)
3. Button 3 (confirm)
4. Weighing platform socket
5. Three way Audio volume control (high/low/off)

6. Foot pedal socket
7. Power adaptor socket
8. LCD display
9. Power switch
10. 4mm fixing hole

LOAD CELL CALIBRATION PROCESS

Gurit SCALES are supplied pre-calibrated, but it is best practice to calibrate every six months or when repositioned or relocated in order to maintain accurate weight certainty during use. The calibration process is as follows:

1. Switch Gurit SCALES on
2. During the 5 second first screen display, follow the button sequence 3,3,3,2 to access the settings menu
3. Push button '2' to select calibration screen
4. Follow the on screen commands to complete load cell calibration

INSTRUCTIONS FOR USE

Once all of the steps in the Product Information & Setup section are complete, you are ready to start using Gurit SCALES.

Aim: Add the correct amount of Hardener to Resin for accurate mix ratio before mixing

Method: Follow the instruction on the screen and confirm each stage by pressing the 'OK' button

SCENARIO 1: STANDARD PROCEDURE

To start, follow each of the following steps in order to dispense the required quantitiy of resin and hardener correctly.

Screen 1 - Front screen

Remains on for 5 seconds

Then automatically moves to screen 2

Screen 2 - Select Resin Group

Press middle button >> to scroll through

Press OK to confirm (or foot switch)

Screen 3 - Select Resin System

Press middle button >> to scroll through

Press OK to confirm (or foot switch)

Screen 4 - Select Hardener Speed
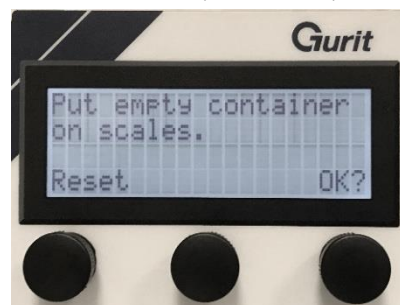
Press middle button >> to scroll through

Press OK to confirm (or foot switch)

Screen 5 - Clear Platform

Ensure scales are free from any weight or obstruction

Press OK to confirm (or foot switch)

Screen 6 - Add Container

Place an empty container on the scales

Press OK to confirm *NOTE: Use same weight empty container as for the resin.*

Screen 7- Add Resin

Add resin to container on the scales

Press OK to confirm (or foot switch)

Screen 8 - Start to Add Hardener

Begin to add hardener to target amount shown on the screen

Screen 8A - Add Hardener

Aim to add hardener to the target weight

A graphical bar will move left to right

Press OK when finished adding the hardener

Screen 9 - Success

This confirms correct ratio of Resin and hardener has been added and OK to remove & start mixing
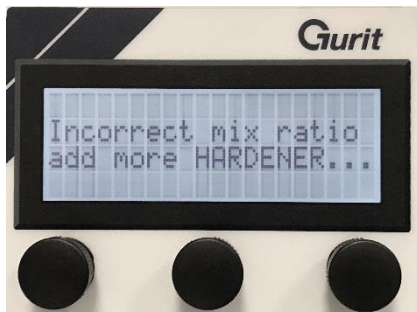
INSTRUCTIONS FOR USE

SCENARIO 2: INSUFFICIENT HARDENER

In the event that you do not add sufficient hardener, the Gurit SCALES will realise and you will be presented with the following steps to continue adding hardener until the correct quantity is achieved.

Screen 8A - Add Hardener

If OK button is pressed before target is reached, the screen recalculates how much more hardener is required

Screen 8B - Add More Hardener

The Screen identifies to 'Add more Hardener'

NOTE: Ensure you are adding the component specified on screen

Screen 8 - Add Hardener

Hardener weight is re-calculated

Add hardener until the target is reached

Press OK when finished adding hardener

Screen 9 - Success

This confirms correct ratio of Resin and hardener has been added and OK to remove & start mixing
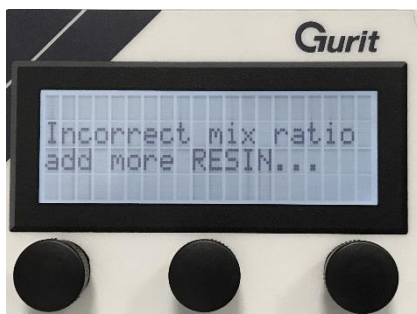
SCENARIO 3: TOO MUCH HARDENER

In the event that you have accidentally added too much hardener, the Gurit SCALES will realise and you will be presented with the following steps to add more resin until the correct quantity is achieved.

Screen 8A - Add Hardener

If hardener target is exceeded Press OK

The screen will recalculate how much more resin is required to reach ratio target

Screen 8C - Too Much Hardener

Screen identifies to 'Add more Resin'.

NOTE: Ensure you are adding the component specified on screen as this is critical to the mix ratio.

Screen 8D - Add More Resin

Resin weight is recalculated and target appears on screen

Add more resin until target is reached

Press OK when finished adding resin

Screen 9 - Success

This confirms correct ratio of Resin and hardener has been added and OK to remove & start mixing

ADDITIONAL INFORMATION & FEATURES

PRODUCT DATA CAPTURE FUNCTION

A function within the Gurit SCALES unit allows viewing of the total amount of mixed system used since the start. This can be useful to identify the amount before then after a production run giving an indication of resin system usage at specified intervals

1. Switch Gurit SCALES on
2. During the 5 second first screen display; , follow the button sequence 3,3,3,2 to access the settings menu
3. Push button 2 to scroll through setting options:

- **Count**

Total Usage = How much Resin and hardener has been weighed out and how many cycle the Gurit SCALES have been used

Job Usage = Has the function to reset counter back to Zero to track a specific run.

- **Calibration**

As described on page 3

- **Units**

Select either metric or imperial measurement system

ADDITIONAL PRODUCT DATA

Power supply: 100 – 240Vac, 50/60Hz

Unit dimensions: 170 × 120 × 70mm

Weighing platform dimension: 300 × 300 × 110mm

Unit Weight: 530g

NOTES:

¬ When future Gurit products are added to the range, please contact Gurit Technical Support for advice on how to add to the Gurit SCALES.

¬ For further support on using the Gurit SCALES weighing system, please contact our technical support team at technical.support@gurit.com

ADDITIONAL INFORMATION & FEATURES

GURT SCALES INSTALLED PRODUCT LIBRARY

Bulit into the Gurit SCALES is a library of the following Gurit products. The column headers correspond with the menus you will on the screen when selecting the product you plan to weigh-out. Note that for systems that only have one speed of hardener, the hardener speed is designated as N/A.

CATEGORY	PRODUCT	HARDENER SPEED							
		FAST	STANDARD	SLOW	EXTRA-SLOW	HIGH TG	BL	LV	N/A
AMPRO™ Multi-purpose	AMPRO™	✔		✔	✔				
	AMPRO™ BIO	✔		✔	✔				
	AMPRO™ CLR	✔		✔	✔				
	AMPRO™ SEAL	✔		✔	✔				
SP 106 Multi-purpose	SP 106	✔		✔	✔				
SP 320 Coating System	SP 320	✔		✔					
Ampreg™ Laminating	Ampreg™ 30	✔	✔	✔	✔	✔			
	Ampreg™ 31	✔	✔	✔	✔	✔			
	Ampreg™ 36	✔	✔	✔	✔				
Spabond™ Adhesive	Spabond™ 335	✔	✔		✔				
	Spabond™ 340LV (HT)	✔		✔	✔				
	Spabond™ 345	✔		✔	✔		✔		
	Spabond™ 5-MINUTE		✔						
	Spabond™ 540	✔	✔	✔	✔				
	Spabond™ 540LV	✔	✔	✔	✔				
	Spabond™ 545	✔		✔					
	Spabond™ 568				✔				
	Spabond™ 570		✔					✔	
	Spabond™ 730		✔						
Process Coats	CR3400								✔
Filling & Fairing	S-Fair 600	✔	✔						
	S-Fill 15 MINUTE								✔
Infusion & RTM	PRIME™ 27	✔		✔	✔	✔			
Tooling Systems	T-GEL 130-1								✔
	T-LAM 130-1								✔
	T-PRIME™ 130-1								✔
	T-PRIME™ 160								✔

NOTICE

All advice, instruction or recommendation is given in good faith but the selling Gurit entity (the Company) only warrants that advice in writing is given with reasonable skill and care. No further duty or responsibility is accepted by the Company. All advice is given subject to the terms and conditions of sale (the Conditions) which are available on request from the Company or may be viewed at Gurit's Website: www.gurit.com/terms-and-conditions.aspx

The Company strongly recommends that Customers make test panels in the final process conditions and conduct appropriate testing of any goods or materials supplied by the Company prior to final use to ensure that they are suitable for the Customer's planned application. Such testing should include testing under conditions as close as possible to those to which the final component may be subjected. The Company specifically excludes any warranty of fitness for purpose of the goods other than as set out in writing by the Company. Due to the varied nature of end-use applications, the Company does, in particular, not warrant that the test panels in the final process conditions and/or the final component pass any fire standards.

The Company reserves the right to change specifications and prices without notice and Customers should satisfy themselves that information relied on by the Customer is that which is currently published by the Company on its website. Any queries may be addressed to the Technical Services Department.

Gurit is continuously reviewing and updating literature. Please ensure that you have the current version by contacting your sales contact and quoting the revision number in the bottom left-hand corner of this page.

TECHNICAL CONTACT INFORMATION

For all other enquiries such as technical queries:

Telephone	+ 44 1983 828000 (08:30 – 17:00 GMT)
Email	technical.support@gurit.com

24-HOUR CHEMICAL EMERGENCY NUMBER

For advice on chemical emergencies, spillages, fires or exposures:

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