GBT-Series

Advanced Touch Display Analytical and Precision Balances

REPLACEMENT
★★★
5 YEAR**
★★★
GUARANTEE

With a wide range of available options, the GBT-Series of Analytical and Precision Balances are an essential piece of equipment for any laboratory.

**Visit www.globescientific.com for full details.

REPLACEMENT 5 YEAR** GUARANTEE

Advanced Touch Display Analytical and Precision Balances

The GBT-Series balances feature an advanced color touch display for ease of use, and include two infrared sensors for touch-free operation. Intelligent design features like a customizable home screen, and extensive onboard data storage increase the convenience and functionality of these units.

With RS232, USB-A, USB-B, and Ethernet connectivity, these balances are well suited to data export, and process integration.

The GBT-Series is available with internal or external calibration types. The internal automatic calibration and adjustment offers three internal calibration options: Temperature-activated, time-activated or manually activated calibration. The external calibration type prompts the user for the pre-defined mass to calibrate the mechanism, ensuring precise and repeatable measurements.

All GBT-Series balance combine state of the art features with premium build quality and reliability, all backed by the Globe Scientific 5-Year Guarantee**.

**Visit www.globescientific.com for full details.

Features:

- **Application Modes:** Optimize the performance of your balance with one of 11 application modes: Basic Weighing, Piece Counting, Check Weighing, Dosing, Deviations, Density Determination (Solids & Liquids), Animal Weigh, Statistics, Totalizing (Formulation), and Peak Hold.

- **Premium Build Quality:** The housing is designed to endure the most challenging environments from teaching labs to industrial use.

- **Database Storage and Onboard Processing:** Standard on the GBT-Series balances. Store Users, Products, Weighings, Packaging, Formulations and Customers in memory. Detailed reporting includes Balance ID, User, Date, Time, Software Version, Measurement Mode, Results, and Signature Line, allowing for data stewardship and complete GLP documentation.

- **Touch-Screen Display:** Intuitive interface navigation. Easily click, scroll, and tap through menus and submenus. Infrared sensors also allow for touchless operation, when cleanliness and compliance is at a premium.

- **User-Friendly Draft Shield:** Standard on semi-micro and analytical models. The internal dimensions (16.0 x 16.8 x 23.0 cm (6.25 x 6.6 x 9")). and three sliding doors allow for easy access to the chamber. The draft shield doors, stainless steel weigh pan, and draft chamber floor are easy to remove for cleaning. A short, removable draft shield comes standard on the 0.001g readability GBT-Series precision balances.

- **5-Year Replacement Guarantee:** Long term support enables you to purchase with confidence.

  **Visit www.globescientific.com for full details.

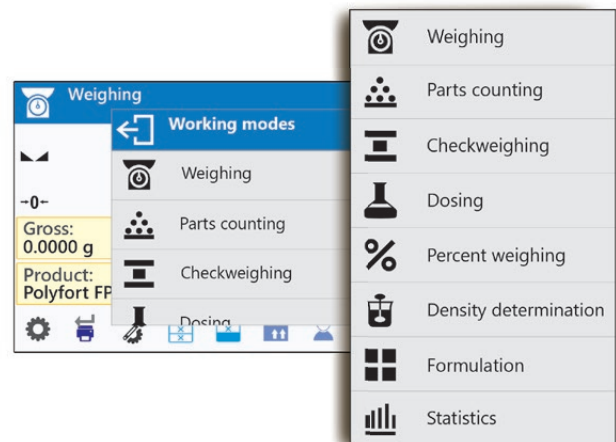# Functionality for Efficient Workflow

Customizable buttons for streamlined processes

Customized buttons accelerate the selection of weighing units, packaging, customers, and variable tare values that enable fast and solid weighing process. A user designed key can be assigned to a particular working mode to further enhance the balance functionality.
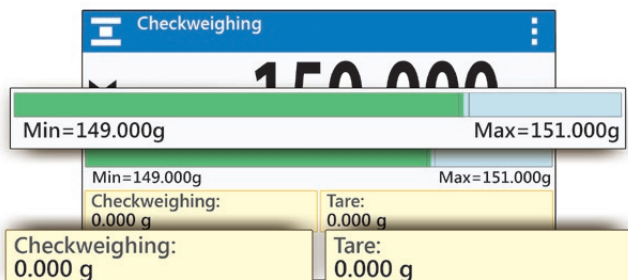

User-friendly display provides easy operation

A user-friendly display provides clear information with intuitive symbols for easy operation.
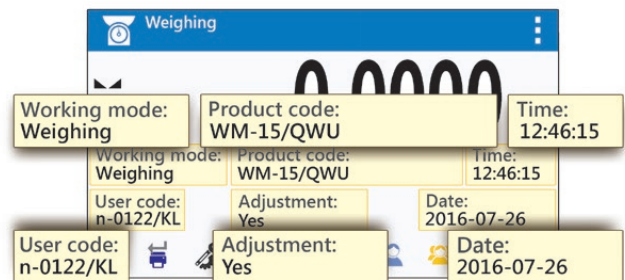

Select which labels to display onscreen

GBT series balances feature labels with pre-defined data fields (e.g., product name, user, date and time or bar graph). Labels names and values are not intended for modification, but a user can select which labels to display onscreen.

Customizable text fields to meet requirements

Text fields and labels feature similar characteristics, however unlike labels, text fields can be freely created and configured by the user. A user can customize each text field with a unique name, function, and value. In addition, a user can modify the text field size and location.

GBT-Series

SPECIFICATIONS & ORDERING INFORMATION

Item #	GBT-64	GBT-164	GBT-224	GBT-314
Item # (with Cal. Cert.)*	GBT-64-CT	GBT-164-CT	GBT-224-CT	GBT-314-CT
Maximum Capacity	62 g	160 g	220 g	310 g
Readability	0.1 mg	0.1 mg	0.1 mg	0.1 mg
Linearity	±0.2 mg	±0.2 mg	±0.2 mg	±0.2 mg
Repeatability	0.1 mg	0.1 mg	0.1 mg	0.15 mg
Calibration Type	external			
Stabilization Time	3 s	2 s	2 s	2.5 s
Pan Size	ø90 mm	ø100 mm	ø100 mm	ø100 mm
Device Dimensions	351 x 205.5 x 338 mm			
Ports	RS232, 2×USB-A, USB-B, Ethernet			

*ISO 17025:2017 Accredited Calibration Certificates are available upon request.

SPECIFICATIONS & ORDERING INFORMATION

Item #	GBT-363	GBT-603	GBT-1003
Item # (with Cal. Cert.)*	GBT-363-CT	GBT-603-CT	GBT-1003-CT
Maximum Capacity	360 g	600 g	1000 g
Readability	0.001 g	0.001 g	0.001 g
Linearity	±0.002 g	±0.003 g	±0.003 g
Repeatability	0.001 g	0.0015 g	0.0015 g
Calibration Type	external		
Stabilization Time	2 s	2 s	2 s
Pan Size	128 × 128 mm		
Device Dimensions	333 x 206 x 100 mm	333 x 206 x 100 mm	333 x 206 x 107 mm
Ports	2×RS232, USB-A, USB-B, Ethernet		

*ISO 17025:2017 Accredited Calibration Certificates are available upon request.

Advanced Touch Display
Analytical and Precision Balances
External Calibration

All the same features as the GBT-Series internal calibration but with external calibration: The external adjustment system of the GBT-Series balances prompts the user for a pre-defined mass to calibrate the mechanism, ensuring precise and repeatable measurements

Globe Scientific also offers a compete line of calibration weights to compliment our balances. Visit globescientific.com to see the full selection.

SPECIFICATIONS & ORDERING INFORMATION

Item # Item # (w Cal. Cert.)*	GBT-2002 GBT-2002-CT	GBT-4502 GBT-4502-CT	GBT-6002 GBT-6002-CT	GBT-6001 GBT-6001-CT	GBT-10001 GBT-10001-CT	GBT-20001 GBT-20001-CT
Maximum Capacity	2 kg	4500 g	6000 g	6 kg	10 kg	20 kg
Readability	0.01 g	0.01 g	0.01 g	0.1 g	0.1 g	0.1 g
Linearity	±0.03 g	±0.02 g	±0.02 g	±0.3 g	±0.3 g	±0.3 g
Repeatability	0.015 g	0.008 g	0.008 g	0.1 g	0.08 g	0.1 g
Calibration Type	external					
Stabilization Time	2 s	1.5 s	1.5 s	2 s	2 s	2 s
Pan Size	195 × 195 mm					
Device Dimensions	333 x 206 x 107 mm					
Ports	2×RS232, USB-A, USB-B, Ethernet					

ISO 17025:2017 Accredited Calibration Certificates are available upon request.

Visit www.globescientific.com to see our full selection of balances and use the handy selection guide to help you find the best balance for your particular application.

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SPECIFICATIONS & ORDERING INFORMATION

Item #	GBT-125C	GBT-225C	GBT-164C	GBT-224C	GBT-314C	GBT-524C
Item # (w Cal. Cert.)*	GBT-125C-CT	GBT-225C-CT	GBT-164C-CT	GBT-224C-CT	GBT-314C-CT	GBT-524C-CT
Maximum Capacity	120 g	82 / 220 g	160 g	220 g	310 g	520 g
Readability	0.01 mg	0.01 / 0.1 mg	0.1 mg	0.1 mg	0.1 mg	0.1 mg
Linearity	±0.07 mg	±0.05/0.2 mg	±0.2 mg	±0.2 mg	±0.2 mg	±0.4 mg
Repeatability	0.04 mg	0.1 mg	0.1 mg	0.1 mg	0.15 mg	0.4 mg
Calibration Type	Internal					
Stabilization Time	2 s	2 s	2 s	2 s	2.5 s	2.5 s
Pan Size	ø90 mm	ø90 mm	ø100 mm	ø100 mm	ø100 mm	ø100 mm
Device Dimensions	351 x 205.5 x 338 mm					
Ports	RS232, 2×USB-A, USB-B, Wi-Fi, Ethernet					

ISO 17025:2017 Accredited Calibration Certificates are available upon request.

SPECIFICATIONS & ORDERING INFORMATION

Item #	GBT-363C	GBT-603C	GBT-1003C	GBT-3003C
Item # (w Cal. Cert.)*	GBT-363C-CT	GBT-603C-CT	GBT-1003C-CT	GBT-3003C-CT
Maximum Capacity	360 g	600 g	1000 g	3000 g
Readability	0.001 g	0.001 g	0.001 g	0.001 g
Linearity	±0.002 g	±0.003 g	±0.003 g	±0.004 g
Repeatability	0.001 g	0.0015 g	0.0015 g	0.0015 g
Calibration Type	Internal			
Stabilization Time	2 s	2 s	2 s	3 s
Pan Size	128 × 128 mm			
Device Dimensions	333 x 206 x 168 mm			
Ports	2×RS232, USB-A, USB-B, Ethernet, Wi-Fi			

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Advanced Touch Display Analytical and Precision Balances

Internal Calibration

All the same features as the GBT-Series external calibration but with internal calibration: Internal Automatic Calibration and Adjustment offers three internal calibration options. Temperature-activated calibrations initiate with a 3°C change in ambient temperature. Time-activated calibrations may be programmed from one-hour to twelve-hours intervals. Manual calibration can be activated at any time by a simple press of the *Cal Key*.

SPECIFICATIONS & ORDERING INFORMATION

Item # Item # (wCal. Cert.)*	GBT-2102C GBT-2102C-CT	GBT-4502C GBT-4502C-CT	GBT-6002C GBT-6002C-CT	GBT-8102C GBT-8102C-CT	GBT-10102C GBT-10102C-CT
Maximum Capacity	2100 g	4500 g	6000 g	8100 g	10100 g
Readability	0.01 g	0.01 g	0.01 g	0.01 g	0.01 g
Linearity	±0.02 g	±0.02 g	±0.02 g	±0.03 g	±0.03 g
Repeatability	0.008 g	0.008 g	0.008 g	0.01 g	0.012 g
Calibration Type	Internal				
Stabilization Time	1.5 s	1.5 s	1.5 s	1.5 s	1.5 s
Pan Size	195 × 195 mm				
Device Dimensions	333 x 206 x 107 mm				
Ports	2×RS232, USB-A, USB-B, Ethernet, Wi-Fi				

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