

A perfect balance of performance, design, and quality



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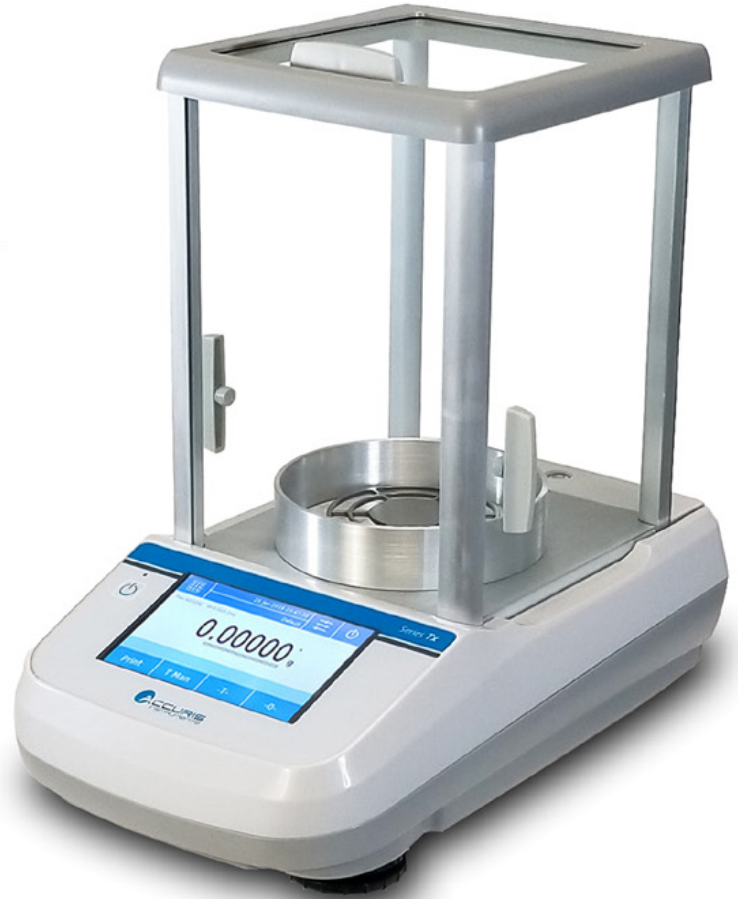
### Upgraded Weighing Performance:

Electromagnetic Force Restoration (EFR) technology, fast response and stabilization, and automatic internal calibration.

**Refined Control Panels:** Enhanced graphical and touch screen interfaces significantly improve ease of use.

**Space Saving:** A careful redesign of our weigh cell assemblies has allowed us to pack more technology into a compact, 8 x 15 inch footprint.

**Convenient Connectivity:** Optional thermal printer or USB flash drive can be used for result documentation.



**Series Dx**



**Series Tx**



# Accuris™ Series Dx Graphical Interface

## Features

- Backlit graphical LCD display
- *Quik-Cal™* Internal Calibration
- RS232 port for printer connection

Readability: 0.0001g (0.1mg)  
Capacity: 120g or 220g

The Accuris *Series Dx* Analytical Balances are robust, workhorse instruments that utilize Electromagnetic Force Restoration (EFR) technology. EFR is the gold standard for fast and reliable sub milligram mass determinations.

The waterproof and wear resistant front panel has been designed to hold up to spills and years of constant use.

A brightly lit, dot matrix graphical display clearly shows weighing results and also enables an intuitive menu system that's easy to work with. Useful features such as dynamic animal weighing, piece counting, percentage weighing and more are quickly accessible.

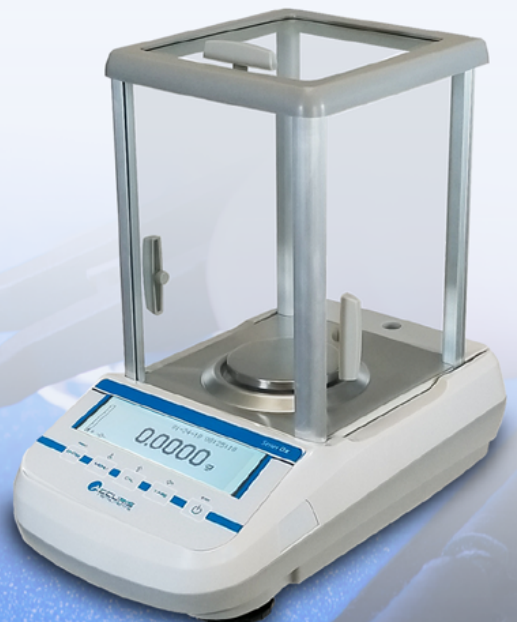
The front feet of the *Dx* balances are adjustable for proper leveling on a stable surface, and a leveling bubble behind the weighing chamber confirms proper installation.

A *Quik-Cal™* calibration system helps ensure that the balance is always calibrated and ready for use. Simply press the CAL button to perform an automatic calibration using the internal, precision calibration weight. Auto calibration can also be set to occur at specific time intervals depending on user preference.

W3101A-120 with graphical display and durable membrane panel buttons

## Specifications

Model	W3101A-120	W3101A-220
Capacity	120 g	220 g
Readability	0.0001g (0.1mg)	
Linearity	+/- 0.2 mg	
Repeatability	+/- 0.1 mg	
Calibration	Internal Quick Cal™ and External	
Pan Diameter	80 mm	
Weighing Units	g, mg, carats, oz, lbs, dwt, t oz, gn	
Display Type	5.25 x 1.5 inch backlit LCD	
Exterior Dimensions	(DxWxH) 13.5 x 8.5 x 13 inches	





## Features

- High Resolution Touch Screen
- USB port for flash drive data acquisition
- RS232 port for computer and printer connection
- *Quik-Cal™* Internal Calibration System

The *Series Tx* analytical balances are the most advanced in the Accuris line. The large, high resolution touch screen presents the user with an icon based menu system and allows quick and intuitive access to a wide range of useful functions. A precisely engineered Electromagnetic Force Restoration (EFR) weigh cell accurately determines masses to sub milligram levels.

Two models are available in the *Tx* Series: The W3102A-220 has a max capacity of 220g and readability of 0.1 mg. The W3002A-120 is a semi-micro class balance with a maximum capacity of 120g, and readability of 0.01mg up to 62g.

The *Tx* internal calibration system helps ensure that the balance is always calibrated and ready for use. Auto calibration can also be set to occur at specific time intervals depending on user preference. A high resolution thermal probe is incorporated in the core of the EFR weigh cell, and if measured temperature fluctuates slightly, the balance will automatically compensate.

Readability: 0.1mg or 0.01mg  
Capacity: 120g or 220g



W3002A-120 Semi Micro Balance  
With Color Touch Screen

A USB port on the side accepts a flash drive for storage of weighing data, which can then be transferred to a computer.

Series *Tx* models have adjustable feet and a leveling bubble to ensure correct installation. Note: For optimal weighing performance, the *Tx* semi micro model must be installed on a suitably stable surface such as a marble slab table.



RS232 port for  
Printer and PC connection



USB Port for  
flash drive connection



## Specifications

Model	W3002A-120	W3102A-220
Capacity	120 g	220 g
Readability	62 x 0.01mg 120g x 0.1mg	220 g x 0.1mg
Linearity	± 0.08mg ± 0.2mg	± 0.2 mg
Repeatability	± 0.03mg ± 0.1mg	± 0.1 mg
Calibration	Internal Quick Cal™ and External	
Pan Diameter	80 mm	
Weighing Units	g, mg, carats, oz, lbs, dwt, t oz, gn	
Display Type	4.25 x 2.5 inch color touch screen	
Exterior Dimensions	(DxWxH) 13.5 x 8.5 x 13 inches	

# Accuris Balance Accessories

## Accuris Anti Static Ionizer

Static charge can accumulate on many types of samples as well as weighing containers, affecting mass determination on an analytical balance. The Accuris ASI-100 produces and emits negatively and positively charged ions that will neutralize static electricity on samples and containers. A blower can be turned on for rapid static discharge, or turned off for work with powders or light-weight materials.



Compact Ionizer  
Order No. W3120

## Portable Thermal Printer

The W3130 Thermal Printer offers a small footprint, modern design, and is compatible with Accuris series *Dx* and *Tx* Analytical Balances. Connection is easy with the included cables, and weight values and other critical info can be printed quickly and clearly. The W3130 printer connects to AC power (100V to 240V) with an included power adapter, and also features an included rechargeable Li-Ion battery.



Thermal Printer  
Order No. W3130



## Calibration Weights

Laboratory balances, from economy to expensive analytical models, require routine calibration and linearity confirmation. Accuris™ offers a selection of individual weights and sets compatible with different types of balances.

Our Premium Class E2 Weight Set is ideal for use with analytical balances. Precision manufactured from high purity, 316 stainless steel (7.96kg/dm<sup>3</sup>), these weights are corrosion resistant with magnetic susceptibility <0.005. The set includes 6 weights, 1x100mg, 1x10g 2x20g, 1x100g, for checking repeatability, corner load, linearity and span. The weights are supplied in a protective case with tweezers, a cleaning cloth and a certificate of verification.

Ordering  
Information

W3101A-120	Analytical Balance, series Dx, internal calibration, Graphical Display, 120gx0.0001g
W3101A-220	Analytical Balance, series Dx, internal calibration, Graphical Display, 220gx0.0001g
W3002A-120	Analytical Balance, series Tx, internal calibration, Touch Screen, 62gx0.00001g /120gx0.0001g
W3102A-220	Analytical Balance, series Tx, internal calibration, Touch Screen, 220gx0.0001g
W3120	Compact Anti Static Ionizer
W3130	Thermal Printer for Accuris Series Dx and Tx Balances
W1101-6-100	Calibration weight set, Class E2, for Analytical Balances, 6 pcs: 100mg to 100g



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