

StirrerBalance

WEIGHING & STIRRING IN ONE STEP

Series 321 LX-STB

with Gravitech stirring technology



The new StirrerBalance combines the versatility of **weighing and stirring** together, with simultaneous weighing and stirring. The StirrerBalance measures to 10 mg readability up to a maximum weight of up to 6,200 gm (model dependant) which is possible due to the newly developed magnetic stirrer that is integrated with the weighing pan. This combination ensures an impeccable compliance with unparalleled precision throughout the weighing range.

Highest flexibility is assured with the variable stirring speed and performance. Settings up to 1000 rpm allow for smooth mixing, dilution, dissolving and emulsification procedures to be effortlessly run under defined and controllable conditions.

This StirrerBalance can be controlled manually or over the interface by a PC allowing the unit to be integrated in automated systems.

Variety in the applications

- Preparation of standard solutions, mixtures, dilutions, emulsions and suspensions, etc.
- Dissolving of pigments/powders in aqueous solution
- Mixing of solutions/mixtures
- Measurement of coating for spraying systems
- Production/bottling of suspensions
 - Pharmaceuticals, lacquers, paints, pencils, petrols/gasoline/refinery
- Packaging of paint solutions
- Easy stirring and weighing applications

Series 321 LS-STB



StirrerBalance

WEIGHING & STIRRING IN ONE STEP

Stirring system with Gravitech stirring technology

The cleverly designed stirring module ensures complete homogenisation of the sample during the the weighing in process.

The robust and stable load cell assures throughout the entire „stirring-weighing“ process the reliability of the scale accuracy of 0.010 g during sample addiiton.

The mixing unit is both practical and intuitive to use with a large display provided by the high-contrast VFD Display for ease of readability.

Technical specification

■ Stirring quantity:	2l, 4l, 6l (max balance capacity)
■ Motor rating output:	2 - 8W
■ Speed range:	1000 U/min (in 10 steps; 10 x 100 U/min)
■ Stirring module:	190 x 190 x 30mm
■ Weight:	6300g
■ Ambient temperature:	5° - 40°
■ Power Supply:	Multi power supply 100V - 240V
■ Interface:	RS232 / USB

StirrerBalance models

Model	Capacity	Readability	Repeatability	Linearity	Stirring module W x L x H (mm)	StirrerBalance W x L x H (mm)	Item No.
LS 2200C-STB SCS	2 200 g	0.01 g	0.01 g	15 mg	190 x 190 x 30	228 x 381 x 99	321-9461-801
LX 4200C-STB SCS	4 200 g	0.01 g	0.01 g	15 mg	190 x 190 x 30	228 x 381 x 99	321-9456-801
LS 4200C-STB SCS	4 200 g	0.01 g	0.01 g	15 mg	190 x 190 x 30	228 x 381 x 99	321-9463-801

Series 321 LX – for laboratory environment

softTOUCH – sophisticated operation via back-lit touch sensors.

High quality and unique design.

Series 321 LS – for plant process environment

Uses the established and proven pressure sensitive keypad capable of operation with heavier laboratory gloves, pen or similar item.

Series 321 LX-STB & 321 LS-STB



Swiss made



RS232 interface for PC / printer



Below balance weighing



Units
g, mg, oz, lb, tael, etc.



Vacuum fluorescent display



Support IQ/OQ/PQ



USB Device



Percent weighing



Piece counting



Animal weighing



Density determination



Net total application:
Add up summation
(Dosing program)



Automatic repeatability test



Fully automatic built-in self calibration system



Anti-theft protection with password plus mechanical security



Automatic calibration warning



Clock (printout GLP/GMP, auto-cal etc.)

Series 321 LX-STB



Checkweighing



Free conversion
Area conversion
(Paper program)



Statistics



Recorder



Dynamic difference weighing