



WEIGHING AND STIRRING IN ONE STEP

The StirrerBalance combines the versatility of weighing and stirring simultaneously. The StirrerBalance measures at a 10 mg readability and a maximum weight of up to 4,200 g which is possible due to the magnetic stirrer that is integrated in 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 of 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 via the interface by a PC allowing the unit to be integrated in automated systems.

VARIETY OF 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, petrols/gasoline/refinery
- Packaging of paint solutions
- Easy stirring and weighing applications

STIRRING SYSTEM WITH GRAVITECH STIRRING TECHNOLOGY

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

The robust and stable load cell assures throughout the entire "stirring-weighing" process the reliability of the balance's accuracy of 0.01g during sample addition.

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.

SERIES 321 LS – FOR LABORATORY AND PLANT PROCESS ENVIRONMENTS

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

TECHNICAL SPECIFICATIONS

Stirring Quantity	Motor Rating Output	Speed Range	Stirring Module	Weight	Ambient Temperature	Power Supply	Interface
2l, 4l	2 - 8 W	1000 rpm (in 10 steps; 10 x 100 rpm)	190 x 190 x 30 mm	6300 g	5°C - 40°C	Multi power supply 100V - 240V	RS232 / USB

STIRRER BALANCE MODELS

Model	Capacity	Readability	Repeatability	Linearity	Stirring Module W x L x H (mm)	Stirring Balance 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
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

Features		Applications	
Swiss Made	Clock (printout GLP/ GMP, auto-cal etc.)	USB device (for PC)	Units g, mg, ozt, lb, tael, etc.
Vacuum fluorescent display	Below balance weighing	Support IQ/OQ/PQ	Percent weighing
Self Calibration System	Anti-theft protection with password plus mechanical security	Piece counting	Density determination
Automatic Calibration Warning	RS232 interface for PC / printer	Animal weighing	

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