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 dependent) 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, petroils/gasoline/refinery
- Packaging of paint solutions
- Easy stirring and weighing applications
StirrBalance
WEIGHING & STIRRING IN ONE STEP

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 scale accuracy of 0.010 g 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.

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

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
<th>Readability</th>
<th>Repeatability</th>
<th>Linearity</th>
<th>Stirring module W x L x H (mm)</th>
<th>StirrerBalance W x L x H (mm)</th>
<th>Item No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>LS 2200C-STB SCS</td>
<td>2200 g</td>
<td>0.01 g</td>
<td>0.01 g</td>
<td>15 mg</td>
<td>190 x 190 x 30</td>
<td>228 x 381 x 99</td>
<td>321-9461-801</td>
</tr>
<tr>
<td>LX 4200C-STB SCS</td>
<td>4200 g</td>
<td>0.01 g</td>
<td>0.01 g</td>
<td>15 mg</td>
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</tbody>
</table>

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
- USB Device
- Support IQ/OQ/PQ
- Anti-theft protection with password plus mechanical security
- Clock (printout GLP/GMP, auto-call etc.)
- Units g, mg, oz, lb, tael, etc.
- Percent weighing
- Piece counting
- Animal weighing
- Density determination
- Net total application: Add up summation (Dosing program)
- Dynamic difference weighing
- Automatic repeatability test

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