Product Information Model 6215
Mortar Mixer ToniMIX Expert

Application

Advantages
- fixed preset according standard defined mixing procedures
- five individually programmable mixing procedures by software miXpert
- programmable speeds in a range of 50 - 200 rpm (tolerance acc. to EN 196-1) (planetary drive)
- variable programmable water dosage from 50 ml to 500 ml with an accuracy of ± 1 ml (tolerance acc. EN196-1)
- liquid level detection of the water reservoir
- robust, durable housing
- wear resisting, precise stirring unit
- display shows the actual mixing speed and current status of selected mixing program, with additional audible signal
- illuminated internal mixing area
- water-resistant operating devices
- dust extraction system serially included
- CE-conform construction with emergency stop

Design
The ToniMIX Expert is a very sturdy construction for laboratory use. The newly developed housing is made of steel hollow profiles. Equipped with a durable toothed belt drive and a planetary transmission for silent and low maintenance operation. The speed of the motor is controlled electronically, the rotation speed is variable adjustable. The CE-conform protection of the stirring unit area guarantees a compulsory separative switch at the mixing bowl and on the lowering lever. The integrated SPC-program control makes the automatic cycle of the different programs possible. The standard scope of delivery contains a standard tested stainless steel mixing bowl and a wear-resistant standard conform stainless steel paddle (corresponding ASTM or EN). The ToniMIX Expert is equipped with a variable water dosage. The water can be dosed with an accuracy of ± 1 ml and in an amount of min. 50 ml and max. 500 ml. An automatic sand supply for standard conform tests is contained in the scope of delivery. Different sand container guarantee in dependence of the amount a cycle time of 30 s.

Working Principle
The paddle executes simultaneously a planetary motion in accordance with the standards. The paddle is fixed high-precisely and free from play. A quick clamping device allows a comfortable change of the paddle. The lever operated lift supported by springs can be used for easy removal and insertion of the mixing bowl. The gap between paddle and mixing bowl is constant. After selection of the program and confirmation at the display, the processor is controlling the program of the chosen standard automatically. The display shows the chosen mode and counts the remaining time. An optical and audible signal calls attendance of the user. The stop button cancels the program. The control unit triggers the automatic sand feeding device. The gauging water can be admixed alternatively before or after dosing of cement by means of a precision pump. The dosing accuracy of the water is ± 1 ml.
## Product Information Model 6215
### Mortar Mixer ToniMix Expert

### Configurations of the different Models

<table>
<thead>
<tr>
<th>Description</th>
<th>Item number</th>
<th>6215/EN</th>
<th>6215/ASTM</th>
<th>6215 G</th>
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<tbody>
<tr>
<td>Shield</td>
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<td>Fold-away shield with safety switch</td>
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<td>Software miXpert</td>
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<td>✔️</td>
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</tbody>
</table>

### Configuration Legend

- included in delivery
- optional available
- not available in this configuration

### Technical Data

- **Required space**
  - **Surface / height mm**: 500 x 700 / 800
- **Max. power consumption kW**: 0.4
- **Electrical connection V / Hz**: 110 / 230 // 50 - 60
- **Weight gross/net kg**: 110/89
- **Shipping dimensions w x d x h mm**: 800 x 600 x 900
- **Max. mixing weight kg**: approx. 4
- **Dosing quantity ml**: variable adjustable (min. 50ml, max. 500ml)(±1ml)
- **Volume of the water reservoir l**: 12
- **Speed of the planetary drive rpm**: variable adjustable (min. 50 rpm, max. 200 rpm)

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For further information please contact

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*All data at ambient temperature.*  
*Subject to technical modification.*