Cubis® MPS105S
Pipette Calibration Balance

Benefits
- Motion Control, quick opening of the draft shield: convenient and efficient pipetting
- Integrated humidity sensor: controls humidity inside the weighing chamber
- White LED light: illumination of the full weighing area
- Red LED light: instant alert if climate parameters are out of tolerance

Product Information
For professional pipette calibration, you need the right balance – one that combines accuracy, precision, speed and convenience. Accuracy and precision to comply with international regulations. Speed to meet requirements for cost- and time-efficient performance. And convenience for working in a comfortable posture.

Does all this sound impossible? Not if you find the right balance. Meet the Sartorius Cubis® MPS: The perfectly balanced system designed to reconcile all your needs for accuracy, precision, speed and convenience in pipette calibration.
## Technical Specifications

### General
- **Power supply**: 100–240 V~, −15% | +10%, 50–60 Hz, 1.0 A
- **Power consumption**: < 35VA
- **Ambient temperature**: Operation +10 °C to +30 °C
- **Highest relative humidity**: 80% for temperatures up to 31 °C, decreasing linearly to 50% relative humidity for 40 °C

### Safety of electrical equipment
According to EN 61010-1:2010: Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 1: General requirements

### Electromagnetic compatibility
According to EN 61326-1:2013: Electrical equipment for measurement, control, and laboratory use – EMC requirements – Part 1: General requirements

### Defined immunity to interference
- **Suitable for use in industrial areas**

### Interference emission
- **Class B** (suitable for use in residential areas and areas that are connected to a low voltage network that also supplies residential buildings). The device can therefore be used in both areas.

### Specific

<table>
<thead>
<tr>
<th><strong>Readability (mg)</strong></th>
<th>0.01</th>
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<tbody>
<tr>
<td><strong>Weighing capacity (g)</strong></td>
<td>100</td>
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<tr>
<td><strong>Typical response time (s)</strong></td>
<td>3</td>
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<tr>
<td><strong>Repeatability (&lt; ± mg)</strong></td>
<td>0.015 Standard deviation</td>
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<tr>
<td><strong>Linearity (&lt; ± mg)</strong></td>
<td>0.15 mg (100 g)</td>
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<tr>
<td><strong>Eccentric load (mg)</strong></td>
<td>0.1 (50 g)</td>
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<tr>
<td><strong>Number of possible pipette calibration at 10.3 ISO Standard</strong></td>
<td>62 (100 μL pipette)</td>
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