KR 10 R1100 sixx

**Technical data**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum reach</td>
<td>1101 mm</td>
</tr>
<tr>
<td>Maximum payload</td>
<td>10 kg</td>
</tr>
<tr>
<td>Pose repeatability (ISO 9283)</td>
<td>± 0.03 mm</td>
</tr>
<tr>
<td>Number of axes</td>
<td>6</td>
</tr>
<tr>
<td>Mounting position</td>
<td>Floor</td>
</tr>
<tr>
<td>Footprint</td>
<td>320 mm x 320 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>approx. 55 kg</td>
</tr>
</tbody>
</table>

**Axis data**

- **Motion range**
  - A1: ±170 °
  - A2: -190 ° / 45 °
  - A3: -120 ° / 156 °
  - A4: ±185 °
  - A5: ±120 °
  - A6: ±350 °

**Operating conditions**

- Ambient temperature during operation: 5 °C to 45 °C (278 K to 318 K)

**Protection rating**

- Protection rating (IEC 60529): IP54
- Protection rating, robot wrist (IEC 60529): IP54

**Controller**

- Controller: KR C4 smallsize-2; KR C4 compact

**Cycle time**

- 143 cycles per minute (25 mm / 305 mm / 25 mm, 1 kg)

The KR 10 R1100 sixx is designed for a rated payload of 5 kg in order to optimize the dynamic performance of the robot. With reduced load center distances and favorable supplementary loads, a maximum payload of up to 10 kg can be mounted. The specific KUKA Load case must be verified using KUKA. For further consultation, please contact KUKA Service.

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KUKA Deutschland GmbH Zugspitzstrasse 140, 86165 Augsburg, Germany. Tel.: +49 821 797-4000, www.kuka.com