Technical data

Maximum reach: 2013 mm
Maximum payload: 19.2 kg
Rated payload: 16 kg
Rated supplementary load, rotating column / link arm / arm: 0 kg / 0 kg / 10 kg
Pose repeatability (ISO 9283): ± 0.04 mm
Number of axes: 6
Mounting position: Floor; Ceiling; Wall; Desired angle
Footprint: 430.5 mm x 370 mm
Weight: approx. 260 kg

Axis data

Motion range
A1: ±185 °
A2: -185 ° / 65 °
A3: -138 ° / 175 °
A4: ±350 °
A5: ±130 °
A6: ±350 °

Speed with rated payload
A1: 200 °/s
A2: 175 °/s
A3: 190 °/s
A4: 430 °/s
A5: 430 °/s
A6: 630 °/s

Operating conditions

Ambient temperature during operation: 5 °C to 55 °C (278 K to 328 K)

Protection rating
Protection rating (IEC 60529): IP65
Protection rating, in-line wrist (IEC 60529): IP65

Controller

Controller: KR C4

Teach pendant

Teach pendant: KUKA smartPAD-2

The KR 16 R2010-2 is designed for a rated payload of 16 kg in order to optimize the dynamic performance of the robot. With reduced load center distances, higher loads up to the maximum payload may be used. The specific load case must be verified using KUKA.Load. For further consultation, please contact KUKA Support.