

Maximum reach	3320 mm
Maximum payload	-
Rated payload	700 kg
Rated supplementary load, rotating column / link arm / arm	0 kg / 0 kg / 50 kg
Pose repeatability (ISO 9283)	± 0.08 mm
Number of axes	4
Mounting position	Floor
Footprint	-
Weight	approx. 2850 kg

Motion range	
A1	±185 °
A2	-120 ° / 10 °
A3	-10 ° / 150 °
A4	-
A5	-
A6	±350 °
Speed with rated payload	
A1	76 °/s
A2	76 °/s
A3	67 °/s
A4	-
A5	-
A6	168 °/s

Ambient temperature during operation -30 °C to 10 °C (243 K to 283 K)

Protection rating (IEC 60529)	IP65
Protection rating, robot wrist (IEC 60529)	IP65

Controller KR C4

Teach pendant KUKA smartPAD

Technical drawing of the KUKA KR 1000 robot arm showing dimensions in mm. The drawing includes a side view of the robot arm with various dimensions and angles. Key dimensions include: total height 2744 mm, base height 2200 mm, arm segment heights 1300 mm and 900 mm, joint offsets 300 mm and 420 mm, and base width 1196 mm. Angles shown are -10° , $+150^\circ$, -120° , and $+10^\circ$. A large grey area represents the workspace.

The KR 700 PA arctic is designed for a rated payload of 700 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.

Technical drawing of a circular machine component. The top view shows a circular flange with a central hole of diameter 200. The flange has a thickness of 23x15° and a central hole of diameter 200. The bottom view shows a cross-section of the flange with a central hole of diameter 200. The flange has a thickness of 23x15° and a central hole of diameter 200. The detail view shows a cross-section of the flange with a central hole of diameter 200. The flange has a thickness of 23x15° and a central hole of diameter 200. The detail view shows a cross-section of the flange with a central hole of diameter 200. The flange has a thickness of 23x15° and a central hole of diameter 200.