SYSTEMANTICS
sensible robotics

ASYSTR 3C

Collaborative robot that makes sense

The ASYSTR C-series collaborative robots from Systemantics are equipped with added safety features, enabling humans to share workspace with robots. By eliminating the need for a safety fence, they open a new range of possibilities for collaborative automation. With an affordable price point, easy to use intuitive programming interface and safety features, the ASYSTR 3C is a sensible choice.

Specifications

Payload	3 kgs
Reach	600 mm
Number of Axes	6
Repeatability	±0.05 mm
Max. translational speed	1000 mm/sec
Power supply	100 - 240 VAC, 50-60 Hz
Power consumption	<500 W in a typical cycle



Physical

Protection	
Wrist	IP67
Body	IP60
Weight	17 Kgs
Operating Temperature	0 – 50 deg C
Tool Flange	ISO 9409-1: 2004
Robot Footprint	115 x 115 mm
Mounting position	Floor, ceiling & wall

Robot is equipped with Wi Fi 802.11 b/g/m making it IoT ready for Industry 4.0 integration

Joint Motion Range

Axis	Motion Range	Maximum Speed
Waist (J1)	+/-180°	150°/sec
Shoulder (J2)	+/-150°	150°/sec
Elbow (J3)	+/-150°	180°/sec
Wrist (J4)	+/-180°	180°/sec
Bend (J5)	+/-180°	180°/sec
Roll (J6)	+/-180°	180°/sec

NOTE : Dimensions are shown in millimeters. Additional details will be provided on request. Specifications are subject to revision.

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Panel User Interface

Safety I/O

Digital Input	2 Emergency + 2 Safety
Digital Output	2 Safety

MODBUS RTU (Half-Duplex 10Mbps)

Additional 10 User configurable Digital I/O points*

Mounting type	DIN rail

*Requires user provided 24V Power supply (Max 20A)

Tool tip interface

8 Digital I/O points that are user configurable

MODBUS RTU (Half-Duplex 10Mbps)

Integrated power source	24V 0.5A

Teaching Interface

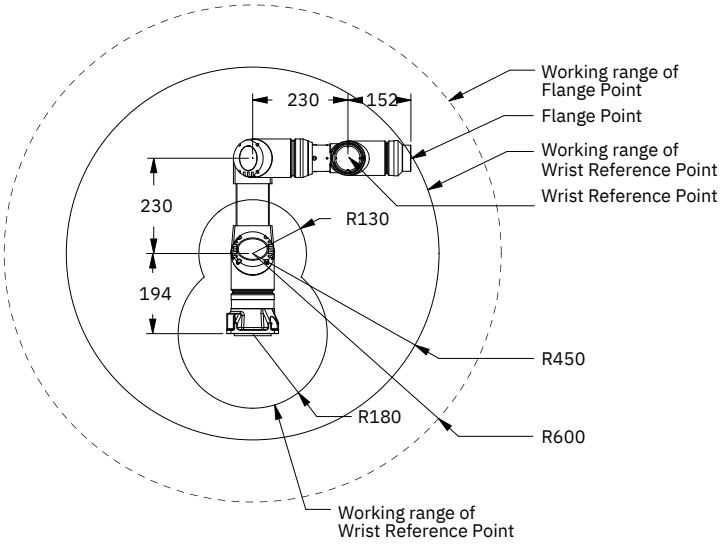
ASYSTR App with graphical user interface on Bluetooth connected 10” Android Tablet

Independent Start / Stop and Emergency operator pendant

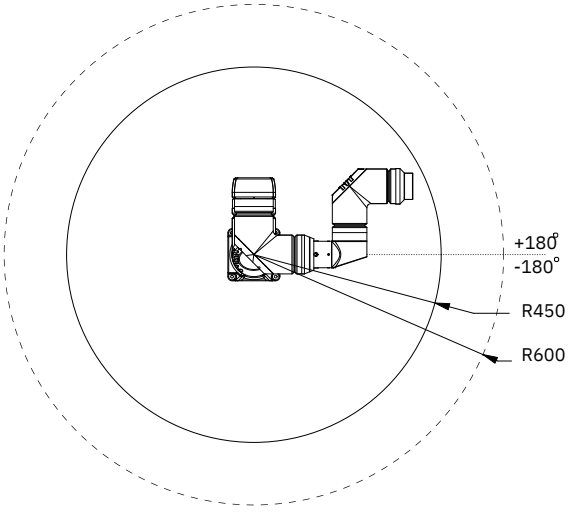


Working Range

Side View



Top View



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