

pneumagiQ PQ90

Dual gripper
5 kg payload
Weighs 580g



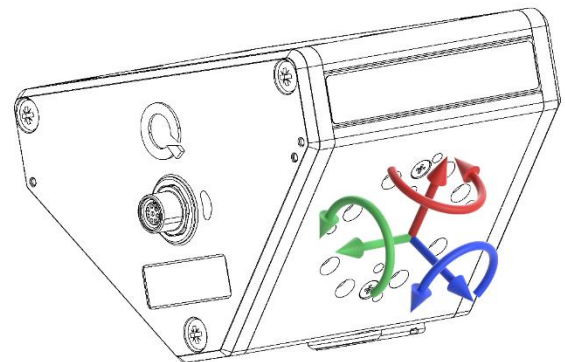
Product Specifications

Part Number	6 102 0122
General	
Mountable pneumatic EOAT	2
Angle between EOAT	90°
Range Extension	-
Air blow-off ports	1
Sensor connectors	2
Response time	< 30 ms (Modbus RTU)
Operating medium	Compressed air
Weight	580 g / 1.3 lbs
Payload	
Max. Payload per Tool Mounting Face*	3.5 kg / 7.7 lbs
Overall payload	5 kg / 11 lbs
Pneumatics	
Airflow rate for EOAT	85 slpm / 3 scfm
Airflow rate at Auxiliary port (Air blow-off)	230 slpm / 8.1 scfm
Maximum Operating pressure	6 bar / 87 psi
Communication	
Universal Robots	URCap
Other robots / controllers	Modbus RTU (RS-485)
Connectors	
I/O Connector	M8 8pin female connector
Air inlet	Ø8 mm tube quick connector
Sensor port	M8 3pin female connector
Air blow-off Port	G 1/4 female thread
Interface - Robot / Tool	
Robot mounting	pneumagiQ Robot Coupler
Tool mounting	pneumagiQ Tool Coupler
Power	
Operational voltage	24V DC
Nominal operational current	450 mA
Environment	
Ambient temperature range	+5°C to 50°C / 41°F to 122°F
Noise level	< 50 dB
Ingress Protection	IP66

Load Parameters

Type	Description	Units	PQ90
Payload	Maximum payload per side	Kg	3.5
Payload	Maximum payload total side	Kg	5
Static load	External force F_x	N	200
Static load	External force F_y	N	200
Static load	External force F_z	N	200
Static load	External moment M_x	Nm	10
Static load	External moment M_y	Nm	10
Static load	External moment M_z	Nm	10
Dynamic	Maximum moment of inertia $I_{xx}/I_{yy}/I_{zz}$	Kg/m ²	0.05
Dynamic	Maximum linear acceleration X/Y/Z	m/sec ²	6
Dynamic	Maximum angular acceleration X/Y/Z	Deg/sec ²	1200
Dynamic	Maximum linear velocity X/Y/Z	m/sec	6
Dynamic	Maximum angular velocity X/Y/Z	Deg/sec	900

The indicated moments and forces are static values



■ X axis
 ■ Y axis
 ■ Z axis