

Universal Robots UR12e MIG-MAG



Process table

MIG-MAG													

■ standard for all models
 ◐ standard for certain models
 optionally available




Operation concepts

Lorch Cobot UR12e Welding Package incl. Cobot torch LMR 450 W EVO	Lorch Cobot UR12e Welding Package incl. Cobot PushPull torch LMR 450 W EVO
<ul style="list-style-type: none"> ■ Complete set comprising of Cobot UR12e and Lorch welding equipment (For installation on welding tables with hole dimension 16 or 28 - welding table not part of the package) ■ Welding system with special Cobot interface, Full Process equipment and cooling system with increased cooling performance, can also be used as a hand-held machine if necessary ■ Special Lorch Cobot torch with a 3.5 m hose package and double-circuit cooling system ■ Torch original equipment kit for steel/stainless steel 1.0/1.2 mm ■ Optimal for steel/stainless steel applications ■ Boom with balancer and cable holder for optimum hose package handling 	<ul style="list-style-type: none"> ■ Complete set comprising of Cobot UR12e and Lorch welding equipment (For installation on welding tables with hole dimension 16 or 28 - welding table not part of the package) ■ Welding system with special Cobot interface, Full Process equipment, digital PushPull-controller and cooling system with increased cooling performance, can also be used as a hand-held machine if necessary ■ Special Lorch Cobot PushPull torch with a 4.0 m hose package and double-circuit cooling system ■ Torch original equipment kit for stainless steel/aluminium 1.0/1.2 mm ■ Optimal for aluminum applications ■ Boom with balancer and cable holder for optimum hose package handling

Technical Data

	 UR12e + S5-RoboMIG XT	 UR12e + iQS 5 Cobot
Cobot		
- Weight (in Kg)		33,5
- Activity range (in mm)		1.300
- Bearing load (in Kg)		12,5
- Spot-to-spot repeatability (in mm)		+/- 0,05
- Variance		6 rotating joints
- Joint rotation (in °)		+/- 360°
- Power supply 1~ 230V		230V 1~
MIG-MAG		
- Welding range (in A)	25-400	25-400
- voltage setting	infinitely variable	infinitely variable
Duty cycle		
- duty cycle 100% 40 °C (in Amps)	320	300
- duty cycle 60% 40 °C (in Amps)	350	400
- duty cycle at max. current 40 °C (in %)	50%	60%
Feeder and wire		
- weldable wires steel (in mm)	0,8-1,6	0,6-1,6
Mains		
- mains voltage (in V)	400	400
- phases (50/60 Hz)	3~	3~
- positive mains tolerance (in %)	15%	10%
- negative mains tolerance (in %)	15%	10%
- mains fuse (in Amps)	32	32
- mains plug	CEE 32	CEE 32
Dimensions and weights		
- power source dimensions (LxWxH) B version (in mm)	845x445x810	1090x508x1315
- weight, power source B-version gas-cooled (in kg)	87,3	94,0
- weight, water cooling (filled) (in kg)	14,7	14,0
Standards and approvals		
- protection class (EN 60529)	IP23S	IP23S
- insulation class	F	F
- designation	CE, S	CE, S
- standard	EN 60974-01	EN 60974-01

versions

	 +Cobot SeamPilot	
Cobot UR12e Preferred Package with S5 RoboMIG, accessories, and Base, Essential, or Full Feature software	Cobot UR12e Preferred Package with S5 RoboMIG accessories, Full Feature software, and SeamPilot	Cobot UR12e Preferred Package with iQS 5 Cobot, accessories, and Full Feature software