



Lorch UR12e TIG configuration




Process table

TIG						
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	standard for all models	standard for certain models				optionally available

Operation concepts

Torch system option 1: Cobot torch LTR 350 HPT	Torch system option 2: Cobot torch LTR 350 HPT with cold wire
<ul style="list-style-type: none"> ■ Special Lorch Cobot torch with a 4.5 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 	<ul style="list-style-type: none"> ■ Special Lorch Cobot torch with a 4.5 m hose package and double-circuit cooling system ■ Torch original equipment kit for stainless steel/aluminium 1.0/1.2 mm ■ Optimal for stainless steel/aluminium applications ■ Feed 1 Cobot cold wire feeder system

Technical Data

	 <p>MyCobot UR12eTIG</p>
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~
TIG	
- welding range (in Amps)	3-300
- current setting	infinitely variable
Duty cycle TIG DC	
- duty cycle 100% (in Amps) - DC	250
- duty cycle 60% (in Amps) - DC	300
- duty cycle at max. current (in %) - DC	60%
Duty cycle TIG AC (only AC systems)	
- duty cycle 100% (in Amps) - AC	250
- duty cycle 60% (in Amps) - AC	300
- duty cycle at max. current (in %) - AC	60%
Mains	
- mains voltage (in V)	400
- phases (50/60 Hz)	3~
- positive mains tolerance (in %)	15%
- negative mains tolerance (in %)	15%
- mains fuse (in Amps)	32
- mains plug	CEE 32
Dimensions and weights	
- dimensions (LxWxH) (in mm)	1130x450x815
- weight (in kg)	86,4/93,6
Standards and approvals	
- protection class (EN 60529)	IP23S
- insulation class	F
- designation	CE, S
- standard	EN 60974-01