

규격서

품명 및 규격 Description	단위 Unit	수량 Quantity
사람-로봇 협업 작업을 위한 토크센서 기반 7축 매니퓰레이터	set	1

◇ 특징

- 7축 관절에 모두 토크 센서 내장
- 가반 하중 3kg

◇ 기본 스펙

- 7자유도 System(7 axis, Torque Sensor Inside)
- Arm with maximum reach 855mm
- Arm with repeatability 0.1mm (ISO 9283)
- weight < 18kg
- Power Cable, External Activation Device, Connection Cable
- enabling and guiding button, selection of guiding mode

◇ 상세 규격

No	상 세 규 격	수 량																																
1	<div><div><i>ARM</i></div><table><tr><td>degrees of reedom</td><td>7 DOF</td></tr><tr><td>payload</td><td>3 kg</td></tr><tr><td>sensitivity</td><td>torque sensors in all 7 axes</td></tr><tr><td>maximum reach</td><td>855 mm</td></tr><tr><td>joint position limits [°]</td><td>A1: -166/166, A2: -105/105, A3: -166/166, A4: -176/-7, A5: -165/165, A6: 25/265, A7: -175/175</td></tr><tr><td>joint velocity limits [° /s]</td><td>A1: 150, A2: 150, A3: 150, A4: 150, A5: 180, A6: 180, A7: 180</td></tr><tr><td>Cartesian velocity limits</td><td>Up to 2 m/s end effector speed</td></tr><tr><td>repeatability</td><td>+/- 0.1 mm (ISO 9283)</td></tr><tr><td>interfaces</td><td>- Ethernet (TCP/IP) for visual intuitive programming with Desk - input for external enabling device - input for external activation device or a safeguard - Control connector - Hand connector</td></tr><tr><td>interaction</td><td>enabling and guiding button, selection of guiding mode, Pilot user interface</td></tr><tr><td>mounting flange</td><td>DIN ISO 9409-1-A50</td></tr><tr><td>installation position</td><td>upright</td></tr><tr><td>weight</td><td>~ 18 kg</td></tr><tr><td>protection rating</td><td>IP30</td></tr><tr><td>ambient temperature</td><td>+15° C to 25° C (typical) +5° C to + 45° C (extended)³</td></tr><tr><td>air humidity</td><td>20% to 80% non-condensing</td></tr></table></div>	degrees of reedom	7 DOF	payload	3 kg	sensitivity	torque sensors in all 7 axes	maximum reach	855 mm	joint position limits [°]	A1: -166/166, A2: -105/105, A3: -166/166, A4: -176/-7, A5: -165/165, A6: 25/265, A7: -175/175	joint velocity limits [° /s]	A1: 150, A2: 150, A3: 150, A4: 150, A5: 180, A6: 180, A7: 180	Cartesian velocity limits	Up to 2 m/s end effector speed	repeatability	+/- 0.1 mm (ISO 9283)	interfaces	- Ethernet (TCP/IP) for visual intuitive programming with Desk - input for external enabling device - input for external activation device or a safeguard - Control connector - Hand connector	interaction	enabling and guiding button, selection of guiding mode, Pilot user interface	mounting flange	DIN ISO 9409-1-A50	installation position	upright	weight	~ 18 kg	protection rating	IP30	ambient temperature	+15° C to 25° C (typical) +5° C to + 45° C (extended) ³	air humidity	20% to 80% non-condensing	1 set
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	▷ 무상유지보수: - 하자보수는 납품된 날로부터 1년 무상 하자보증 (단 소비자 과실로 인한 사항이나 소모품은 유상 보증)																																	

	<ul style="list-style-type: none"> - 검수는 지정된 장소에서 설치한 후 외관 및 성능검사 시행 <p>▷ 납기:</p> <ul style="list-style-type: none"> - 계약완료일로부터 8주 이내
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