Personan		UR3e	UR5e	UR10e	UR16e
Payde Pay					
Page					
Programming					
Power		500 mm (19.7 in)	850 mm (33.5 in)		900 mm (35.4 in)
Profect Conservation 200 W 570 W 515 W 585 W					
Power Consumption Speak	Programming		12 inch touchscr	een with polyscope graphical user interface	
Maximum Average Power, Censurging Typical with moderate operating visit moderate operating visi	Performance				
Power Region Information Power Region Power R		300 W	570 W	615 W	585 W
Force spring, Tool Flange Force, xy z Torque, xy z xy z	Power, Consumption, Typical with moderate operating	100 W	200 W	350 W	350 W
Processing Tool Flance Process System Process Proces	Safety		17	configurable safety functions	
Many 10 0 Nm	Certifications				
\$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Range Precision Accuracy	30.0 N 10.0 Nm 2.0 N 0.1 Nm	50.0 N 10.0 Nm 3.5 N 0.2 Nm	100.0 N 10.0 Nm 5.0 N 0.2 Nm	160.0 N 10.0 Nm 5.0 N 0.2 Nm
Asis movement	Pose Repeatability	± 0.03 mm	± 0.03 mm	± 0.05 mm	± 0.05 mm
Typical TCP speed	Base Shoulder Elbow Wrist 1 Wrist 2	± 360° ± 180°/s ± 360° ± 180°/s ± 360° ± 180°/s ± 360° ± 360°/s ± 360° ± 360°/s	± 360° ± 180°/s ± 360° ± 180°/s ± 360° ± 180°/s ± 360° ± 180°/s ± 360° ± 180°/s	± 360° ± 120°/s ± 360° ± 120°/s ± 360° ± 180°/s ± 360° ± 180°/s ± 360° ± 180°/s	± 360° ± 120°/s ± 360° ± 120°/s ± 360° ± 180°/s ± 360° ± 180°/s ± 360° ± 180°/s
P5 classification			2.00,0		
Sol 1464-1 Class Cleanron Sol 1464-1 Class Cleanron Less than 60 dB(A) Less than 65 d	Features				
Noise Less than 60 dB(A) Less than 65 dB(A)	IP classification			IP54	
Robot mounting	ISO 14644-1 Class Cleanroom			5 —	
	Noise	Less than 60 dB(A)	Less than 65 dB(A)	Less than 65 dB(A)	Less than 65 dB(A)
Digital in Digital out 2	Robot mounting			Any Orientation	
Tool I/O Power Supply 600 mA 1.5 A (Dual pin) 1 A (Single pin) 2 A (Dual pin) 1 A (Single pin) 3 Description of the property o	Digital in Digital out			2	
Physical Footprint Ø 128 mm Ø 149 mm Ø 190 mm Ø 190 mm Materials Aluminium, Plastic, Steel Tool (end-effector) connector type M8 M8 8-pin Tool (end-effector) connector type M8 M8 8-pin Tool (end-effector) connector type Tool (end-effector) connector type <td></td> <td></td> <td></td> <td>12/24 V</td> <td></td>				12/24 V	
Footprint Ø 128 mm Ø 149 mm Ø 190 mm Ø 190 mm Materials Aluminium, Plastic, Steel Tool (end-effector) connector type M8 M8 8-pin Cable length robot arm - 6 m (236 in) Weight including cable 11.2 kg (24.7 lbs) 20.6 kg (45.4 lbs) 33.5 kg (73.9 lbs) 33.1 kg (73 lbs) Operating Temperature Range - 0-50°C			1.5 A (Dual pin) 1 A (Single pin)	2 A (Dual pin) 1 A (Single pin)	2 A (Dual pin) 1 A (Single pin)
Materials Tool (end-effector) connector type Cable length robot arm Weight including cable Operating Temperature Range Aluminium, Plastic, Steel M8 M8 8-pin 6 m (236 in) 33.1 kg (73 lbs) 33.1 kg (73 lbs)	Physical				
Materials Tool (end-effector) connector type Cable length robot arm Weight including cable Operating Temperature Range Aluminium, Plastic, Steel M8 M8 8-pin 6 m (236 in) 33.1 kg (73 lbs) 33.1 kg (73 lbs)		Ø 128 mm	Ø 149 mm	Ø 190 mm	Ø 190 mm
Tool (end-effector) connector type M8 M8 8-pin Cable length robot arm 6 m (236 in) Weight including cable 11.2 kg (24.7 lbs) 20.6 kg (45.4 lbs) 33.5 kg (73.9 lbs) 33.1 kg (73 lbs) Operating Temperature Range 0-50°C					
Weight including cable 11.2 kg (24.7 lbs) 20.6 kg (45.4 lbs) 33.5 kg (73.9 lbs) 33.1 kg (73 lbs) Operating Temperature Range 0-50°C	Tool (end-effector)				
Weight including cable 11.2 kg (24.7 lbs) 20.6 kg (45.4 lbs) 33.5 kg (73.9 lbs) 33.1 kg (73 lbs) Operating Temperature Range	• •			6 m (236 in)	
Operating Temperature Range 0-50°C		11.2 kg (24.7 lbs)	20.6 kg (45.4 lbs)		33.1 kg (73 lbs)
				0-50°C	
				90%RH (non-condensing)	

TECHNICAL DETAILS

OEM Control Box

Features

IP classification	Not rated		
ISO 14644-1 Class Cleanroom	Not rated		
Operating Temperature Range	0-50°C		
I/O ports Digital in Digital out Analog in Analog out Quadrature Digital Inputs	16 16 2 2 4		
I/O power supply	24V 2A		
Communication	500 Hz Control frequency Modbus TCP PROFINET Ethernet/IP USB 2.0, USB 3.0		
Input Voltage	AC Model: 100-240 VAC, 47-440Hz DC Model: 24-48 VDC (typical)		
Humidity	90%RH (non-condensing)		

Physic

,	
OEM Control Box size (WxHxD)	451 mm x 168 mm x 150 mm (17.8 in x 6.6 in x 5.9 in)
Weight	AC Model: 4.7 kg (10.4 lbs.) DC Model: 4.3 kg (9.5 lbs.)
Materials	Aluminum



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