

MVM 5

Performance

Repeatability	±0.1 mm / ±0.0039 in (4 mils)
Ambient temperature range	0-50°
Power consumption	Min 90W, Typical 150W, Max 325W
Collaboration operation	15 advanced adjustable safety functions. TüV NORD Approved Safety Function Tested in accordance with: EN ISO 13849:2008 PL d

Specification

Payload	5 kg / 11 lbs
Reach	850 mm / 33.5 in
Degrees of freedom	6 rotating joints
Programming	Polyscope graphical user interface on 12 inch touchscreen with mounting

Movement

Axis movement robot arm	Working range	Maximum speed
Base	± 360°	± 180°/Sec.
Shoulder	± 360°	± 180°/Sec.
Elbow	± 360°	± 180°/Sec.
Wrist 1	± 360°	± 180°/Sec.
Wrist 2	± 360°	± 180°/Sec.
Wrist 3	± 360°	± 180°/Sec.
Typical tool		1 m/Sec. / 39.4 in/Sec.

Features

IP classification	IP54
ISO Class Cleanroom	5
Noise	72dB
Robot mounting	Any
I/O ports	Digital in 2 Digital out 2 Analog in 2 Analog out 0
I/O power supply in tool	12 V/24 V 600 mA in tool

Physical

Footprint	Ø 149mm
Materials	Aluminium, PP plastics
Tool connector type	M8
Cable length robot arm	6 m / 236 in
Weight with cable	18,4 kg / 40.6 lbs

CONTROL BOX

Features

IP classification	IP20
ISO Class Cleanroom	6
Noise	<65dB(A)
I/O ports	Digital in 16 Digital out 16 Analog in 2 Analog out 2
I/O power supply	24V 2A
Communication	TCP/IP 100Mbit, Modbus TCP, Profinet, EthernetIP
Power source	100-240 VAC, 50-60 Hz
Ambient temperature range	0-50°

Physical

Control box size (WxHxD)	475mm x 423mm x 268mm / 18.7 x 16.7 x 10.6 in
Weight	15 kg / 33.1 lbs
Materials	Steel

TEACH PENDANT

Features

IP classification	IP20
Physical	
Materials	Aluminium, PP
Weight	1,5 kg / 3.3 lbs
Cable length	4,5 m / 177 in

