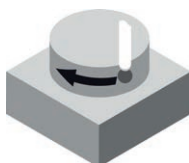





SPRINT™ system with SupaScan

NOTE: This data sheet should be read in conjunction with the *SPRINT™ system* data sheet (Renishaw part no. H-5465-8200).

Specification

System principal application	Programming of high-speed part setting routines.		
Supported controllers	Fanuc Series 0–3xi	Siemens 840D solution line	
Part number ¹	A-5465-2000 – SPRINT™ system with SupaScan kit		
SPRINT™ SupaScan	Programming and analysis software.		
DPU-1 SPRINT™ data processor	Processes and stores scanned measurement data.		
OSP60 (probe)	Analogue scanning probe for machine tools, capable of scanning and touch-trigger measurements.		
OMM-S (receiver)	Optical receiver specific to the SPRINT system.		
OSI-S (interface)	Optical interface providing input/output communication with the machine tool.		
Functionality and outputs (written to NC variables)			
CircleScan	LineScan	Calibration	Raw data capture ^{2 3}
			
Data ready/error	Data ready/error	Data ready/error	Data ready/error
Number of points	Number of points	Number of points	Number of points
Centre X error	Start point error	Calibration form error	Maximum X deflection
Centre Y error	End point error		Maximum Y deflection
Diameter error	High point error		Maximum Z deflection
Maximum radius error	Low point error		Maximum magnitude
Minimum radius error			Minimum X deflection
			Minimum Y deflection
		Minimum Z deflection	
		Minimum magnitude	
Ancillary macros	ProbeOnOff	AutoMachineConfig	ClearInputs ⁴
	StartStopScan	WaitForProbeReady	WaitForDataReady

¹ DPU-1 SPRINT™ data processor alone (Renishaw part no. H-5465-4001)

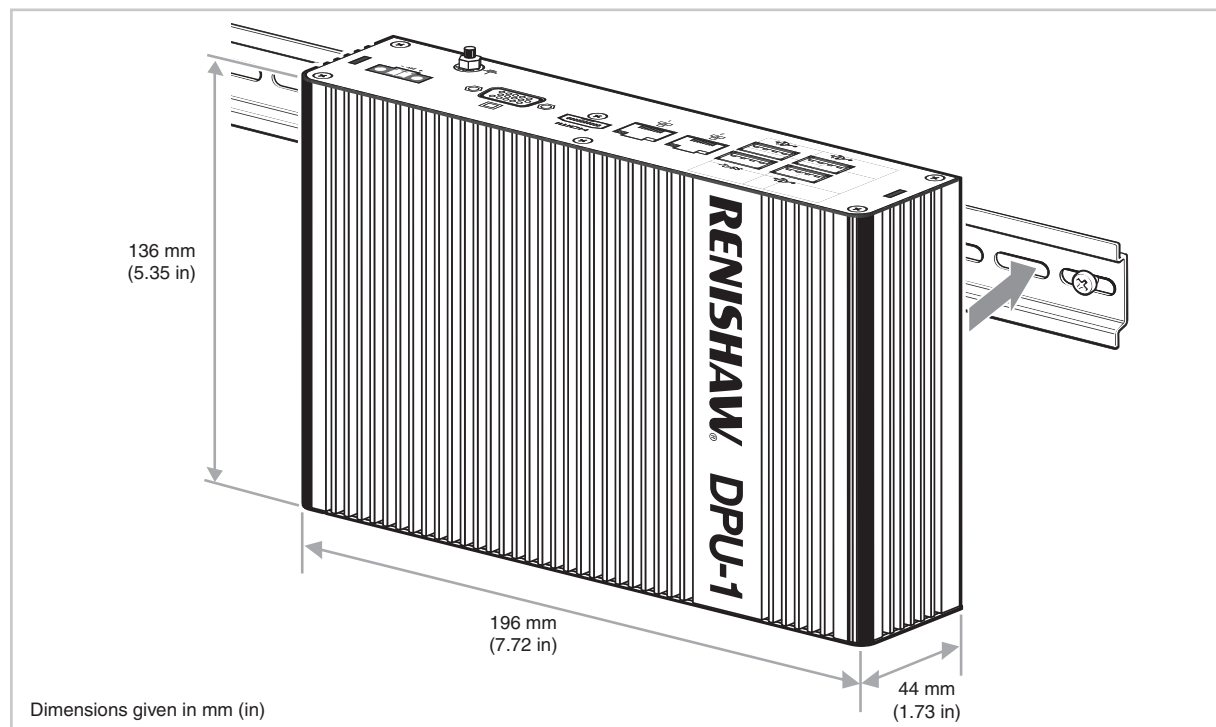
² Raw data results achieved when programming using traditional G-code and the StartStopScan SupaScan macro

³ Data points also output to .csv file on DPU-1

⁴ Required for Siemens controls only

DPU-1 data processor specification	
Physical	
Size	196 mm × 136 mm × 44 mm (7.72 in × 5.35 in × 1.73 in) (without DIN rail mounting and brackets)
Weight	1185 g (41.8 oz)
Mounting	DIN rail mount
Environmental	
IP rating	IP20 (EN/IEC60529)
Operating temperature	+5 °C to +55 °C (+41 °F to +131 °F)
Humidity	Maximum 90% RH at +40 °C
Cooling	Fanless
Connectivity	
USB	3 × USB 2.0: 1 × USB 3.0
Ethernet	2 × GbE LAN ports
Display	1 × HDMI: 1 × VGA
Power supply	
Voltage	24 V ±10%
Protection	Reverse voltage, over current, over voltage protection
Power consumption	12 W typical (during normal operation)
Connector	2-pin Phoenix connector
Power on	Auto-on
Certification	CE, FCC
Maximum user accessible storage	100 GB solid state drive (SSD)

Dimensions



For worldwide contact details, visit www.renishaw.com/contact

