

# HP SitePrint

## Robotic solution for autonomous layouts

We've combined our printing knowhow and robotics technology to revolutionize construction site layouts bringing breakthrough efficiency



### Groundbreaking performance and productivity<sup>1</sup>

- Improve layout productivity by as much as ten times.
- Autonomous printing with obstacle avoidance.
- Printed on-slab text helps deliver executions as per plan.

### Accurate layouts

- Precise printing to complete every project accurately.
- Complex layouts spot-on, laying out intricate arcs and circumferences.
- Raise the bar of predictability, minimizing redos and with great rigour.

### One easy solution to do it all

- Simple layout management with cloud-based tools.
- Easily print on different surfaces thanks to HP inks expertise.
- Compact design that fits in a portable case for effortless transport.



# Technical specification

GENERAL		PRINTING		INK	
Description	HP SitePrint Robot	Ink cartridge	1 cartridge (400ml -13.5oz Ink System)	7J3Q9A	HP SitePrint 100 Blue SB Semi-Permanent
Product	3F8P0A	Printing speed	900m/h (2,953 ft/h)	76Y83A	HP SitePrint 101 Red SB Semi-Permanent
Power management	Exchangeable Lithium-Ion battery Two batteries last a whole working shift (8h)	Navigation speed	1,440m/h (4,724 ft/h)	76Y82A	HP SitePrint 102 Black SB Permanent
Application	Layout for building construction: interior walls, Mechanical, Electrical, Plumbing, Fire Protection, HVAC and Formwork.	Minimum printable width	0.07in (2mm)	7J3R0A	HP SitePrint 103 Black WB Permanent
Materials	Porous surfaces: polished and rough concrete, tarmac and wood. Non-porous surfaces: terrazzo, vinyl and epoxy	Maximum printable width	2in (51mm)	7J3R1A	HP SitePrint 104 Cyan WB Permanent
Obstacle avoidance	4 Safety sensors to avoid falloffs 3 LiDAR sensors to avoid collisions	Printable elements	Lines, Text, dashed-lines, curved lines, circumferences.	7J3R2A	HP SitePrint 105 Magenta WB Permanent
		Printhead to floor distance	3/4 in (19 mm)	76Y80A	HP SitePrint 107 Cyan WB Semi-Permanent
		Accuracy tolerance	1/8 in (3mm) <sup>2</sup>	76Y81A	HP SitePrint 108 Magenta WB Semi-Permanent
				76Y84A	HP SitePrint 109 Cleaning Fluid

ENVIRONMENTAL		DIMENSIONS		CONNECTIVITY	
Protection	IP4X/NEMA1	Dimensions	Printer only: 50.5 x 31.7 x 26.1 cm - 19.8 x 12.4 x 10.2 in With transportation case: 62.5 x 49.0 x 36.5 cm - 24.6 x 19.2 x 14.3 in	RTS Compatibility	Leica iCon80 Leica TS16 Topcon LN-150 Trimble RTS573
Maximum slope	2.5° (4.4%)	Weight	Printer only: 8.9kg - 19.7 lb With transportation case: 17.7kg - 39.0lb	Connectivity	Bluetooth, 4G, WiFi
Recommended operating temperature range	From 15F to 105F (From -10°C to 40°C) <sup>3</sup>				
Operating humidity	20%-80%				
Operating altitude	6560 ft (2,000 m)				

<sup>1</sup> Up to ten times the productivity' claim is based on data from pilot case studies where HP SitePrint was used - comparing the HP SitePrint performance either to the manual layout that was done before HP SitePrint was used on the same job or to the customer estimation on the time/resources needed based on experience with similar projects. Exact improvement factors will vary from project to project and can be influenced by multiple factors, such as the line density or the dimensions of the site.

<sup>2</sup> Accuracy tolerance of +/- 1/8in while operating with a 3" Total Station at a distance between 5m and 30m"

<sup>3</sup> Recommended operating temperature range: Water-Based Inks from 32F to 105F (0°C to 40°C) and Solvent-Based Inks from 15F to 105F (-10°C to 40°C)



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