



DATA SHEET

Markoprint printing system

IP-JET HP MK2

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Compact thermal inkjet printer with IP65 protection rating for industrial environments.

The IP-JET HP MK2 inkjet printer was specially developed for use in harsh environments with high exposure to dust and moisture. This solution is particularly well suited for use in Food & Beverage and also in industries such as plastics, pharmaceutical and chemical industries.

The compact system combines the printhead and controller in one. The sealed enclosure and waterproof interface prevent moisture ingress and dust particle contamination. The unit is also powered via a special mains power unit with a waterproof M8 plug. The external connections have plug-in connectors with IP67 class protection. Unlike many other printers on the market, the print head has excellent protection and requires no cover or dismantling during washdown.

With the latest in Hewlett Packard printing technology, the system will print text, barcodes, 2D codes, best-before data, batch numbers etc. up to 12.5 mm high and with resolutions up to 600 dpi.

The water- and solvent-based inks used by the system open the door to many applications: paper, cartons, varnished surfaces, foils and plastics are printed with highly legible and permanent print

The system is operated via 3 buttons with LED status lights, for ease of operation and user friendliness.

Intelligent SmartCard cartridge monitoring ensures consistently good print results. It will identify the current type of ink and adjusts the relevant ink parameters automatically.

The SmartCard will also capture and store the specific ink fill level. The printing system detects used cartridges and reports current ink fill levels to the controller. This eliminates unexpected production downtimes, allowing the operator to arrange for replacements in good time. Quick and easy with a single hand movement - thanks to the patented "Click'n Print" cartridge holder.

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Performance data	Pro version
Maximum print speed	
HP (Hewlett Packard)	90 m/min
Print resolution	
- horizontal	50 to 900 dpi
- vertical	300 or 600 dpi
Maximum print height	12.5 mm
Maximum text length	2 m
Text field	yes
Counter	yes
Time	yes
Date field	yes
Date offset	yes
Logo	yes
Input of variables	no
Action fields	yes
1D code / 2D code	yes / yes
Data transfer by USB stick	yes
Ethernet	yes
EIA232	yes
Password levels	yes
Configurable: 2 inputs/4 outputs	yes
Technical data	
Mains unit supply voltage	100 - 240 VAC / 50 - 60 Hz (1~)
Unit supply voltage	12 - 24 VDC
Power consumption, maximum	25 W
Power consumption, standby	1.6 W
Ambient temperature	5 to 40°C
Protection class (with overpressure)	IP 65
Splash guard	yes
Certification	CE

