

## HSAJET<sup>®</sup> **MiniKey** MKHP4



Coding & Marking made simple and fast. A compact printer with integrated printheads, ideal for integration in packaging lines.

### **MiniKey printer based upon HP TIJ 2.5 technology**

The HSAJET<sup>®</sup> MiniKey is based upon reliable HP TIJ 2.5 technology which offers consistent, high quality, fast printing. The printer's user-interface is so easy to use, that it requires very little or no training. The MiniKey is a very low-cost printer, yet powerful with all necessary functions available.

### **An 'All-In-One' printer**

The MiniKey is an 'out of the box' unit. Place an ink cartridge in the head, connect to power and print instantly just by pressing a button.

New layouts are easily made straight from the keyboard or loaded from USB key or via LAN or RS232 connection. The basic unit comes with a ½" printhead with built-in product sensor. The MiniKey can control up to 2" print height.

### **Trouble free user interface**

A 320 x 240 pixel graphical colour display showing intuitive icons which ensures a clear understanding when choosing functions from the keyboard.

### **Choose from ½"-2" printheight**

The HSAJET<sup>®</sup> MiniKey is available with an integrated 1 or 2-pen printhead mounted on the side of the

unit. If additional print height is required the MiniKey can be delivered with remote printheads of 1 or 2 pens. Having two printheads enables double-sided printing.

### **Advanced administrator options in software**

A flexible user level management guarantees printing of onecon also correct data. You are also able to grant user rights as desired and protect by a unique password. In addition this content may be filled by a user prompt which optionally must be validated by a different user for guaranteed accuracy. The controller is preloaded with different menu languages, as well as localized month and day names.

### **Print at breakthrough speeds of up to 300 m/min (984 ft/min) in 300 x 150 dpi**

- Graphics
- Text (alphanumerical)
- Counters
- Shift codes
- Date & time (real-time & adjusted)
- Linear & 2D Barcodes\*
- Windows Fonts

# Technical Details

## HSAJET® MINIKEY MKHP4

**Technology :** HP TIJ 2.5

**Printhead frequency :** 15 KHz

**Print height :** Up to 50.8 mm / 2"

**Printheads :** 1- or 2-pen printheads

**Printhead distance :** 0.5-2.0 mm  
(nozzle to print surface)

**Voltage :** 100-240 VAC

**Memory :** 2 GB internal

**Screen :** 3.5" colour display

**Design software :** MiniDraw (PC)  
or on Controller

**Software menu language :** English  
(multiple languages)

**Print functionalities, eg. :**

User prompt

User defined print log

**Print features :**

Variable DPI

Left/Right, Upside-down

Other side

Mirrored

**Layout features :**

Max. length 65536 px

(~277 cm in 600 DPI)

Object rotation in 90 deg interval

Works with mm/inch/point/pixel

**Remote controlling :**

Start/Stop

Exchange job

Change field content per print

Change print

preferences/parameters

**Interface :**

RS232 (serial)

Ethernet (LAN)100 Mbit

USB 2.0

Encoder Input 3-33 V (SUB D9)

Product Sensor 3-33 V (SUB D9)

**Signals :**

Low ink signal

Print signal

Print message signal

**Complies to :** CE directives

**Housings :** Stainless steel

**Weight**

MK controller: 1.30 kg / 2.85 lbs

MK w 1-pen: 1.72 kg / 3.78 lbs

MK w 2-pen: 1.88 kg / 4.13 lbs

MK 1-pen printhead : 0.37 kg /  
0.82 lbs

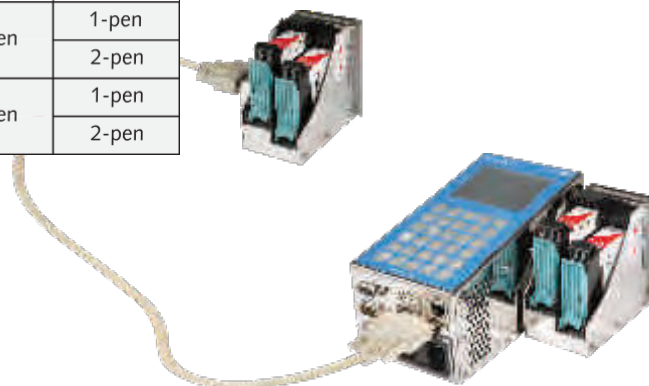
MK 2-pen printhead: 0.49 kg /  
1.07 lbs

**Accessories**

- Telescope mountkit
- External sensor
- Encoder
- Mountings (Inocon 53 mm)

Vertical resolution (DPI)	Horizontal resolution 75-2400 DPI (variable) speed examples (m/min)			
	75 DPI	300 DPI	600 DPI	2400 DPI
600 DPI	304	76	38	10
300 DPI high speed	608	152	76	19
300 DPI (row A)	304	76	38	10
300 DPI (row B)	304	76	38	10

Basic Unit	Head 1 Remote	Head 2 Remote
Compact MK 1-pen		1-pen
		2-pen
Compact MK 2-pen		1-pen
		2-pen
MiniKey (without attached printhead)	1-pen	1-pen
		2-pen
	2-pen	1-pen
		2-pen



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