

HSAJET® Tiny Controller Units

TCUF / TCUF-INT

The TCUF controllers are designed for limited printing jobs still requiring a high-resolution and high quality print



TCUF-INT HAS A BUILT-IN KEYBOARD AND DISPLAY

HSAJET® Tiny Controller Unit

The HSAJET® Tiny Controller Units are the ideal printing solution for small messages i.e. for printing text, barcode, counters, date/time, and graphics. Ideal for integration on webs, inserters, and other equipment.

It is a very compact solution and calls for a minimum of maintenance. Consequently, no special training is required to operate and maintain the HSAJET® TCUF.

The design is made in stainless steel and can easily be implemented in production areas.

TCUF with optional external keyboard or print selector

The TCUF standard solution has no keyboard, but is still very easy to use. One print job can be saved on a CF card and will automatically be loaded once you turn on the TCUF.

For easy selection of different print jobs and input of text prompts you can use a message selector switch, which can hold up to 12 print jobs, or connect an external keyboard, which can administrate even further print jobs.

TCUF with integrated keyboard

The TCUF-int has an integrated keyboard and display. You can insert a CF card with multiple jobs and select jobs directly from the keyboard.

Printheads and Ink

Two output connectors are available for controlling either 1 x 1-pen, 2 x 1-pen or 1 x 2-pen HP printhead. All printing must be with the same printing direction.

The TCUF is compatible with our F-type printheads.

Simple and effective

The TCUF is very easy to use and provides high-resolution and high quality printing still keeping cost low.

Print at breakthrough speeds of up to 300 m/min (984 ft/min) in 300x150 dpi

- GRAPHICS
- COUNTERS
- TEXT (ALPHANUMERICAL)
- DATE & TIME (REAL-TIME & ADJUSTED)
- LINEAR & 2D BARCODES (FIXED)*
- WINDOWS FONT

* For information on specific barcodes please go to www.hsasystems.com

Technical Details

HSAJET® TINY CONTROLLER UNIT TCUF / TCUF-INT

Technology

HP TIJ 2.5

Printhead frequency

15 KHz

Print height

Up to 25.4 mm / 1"

Printheads

1 or 2-pen printheads

Print head distance

0.5-2.0 mm
(nozzle to print surface)

Voltage

100-240 VAC

Print buffer

TCUF: 64 MB

TCUF-int: 64 MB

Memory

CF card: <2 GB

Screen

2 line LCD display (only TCUF-int)

Design software

OBJ InkDraw (special section)

Software menu language

English (multiple languages)

Print features

Left/Right

Upside-down

Layout features

Max. length 10000 px
(~42 cm in 600 DPI)

Works with mm/inch/point/pixel

Interface

CF card (FAT format, max. 2 GB)

RS232 (serial)

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

Housing

Stainless steel

Resolution (DPI) (horizontal x vertical)	Max. speed	
	m / min	feet / min
600 x 600	38	125
300 x 300	76	250
300 x 300 1 row	152	500
150 x 300	306	1000

Weight

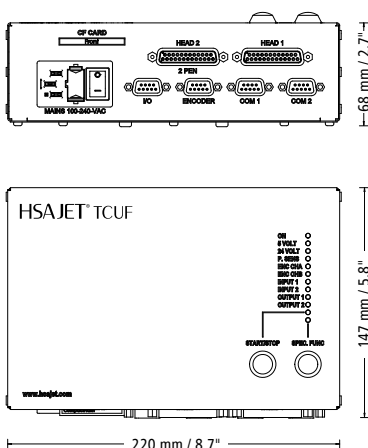
TCUF: 1.5 kg / 3.3 lbs

TCUF-INT: 1.6 kg / 3.5 lbs

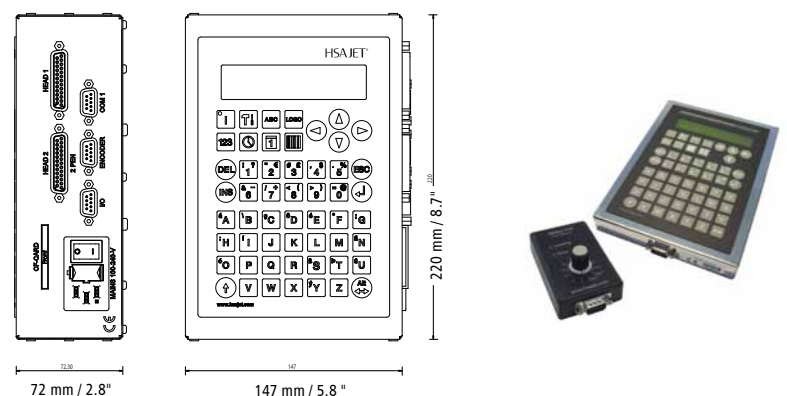
Accessories

- Term3 external keyboard (TCUF)
- Print selector switch (for TCUF)
- Compact flash card (CF)
- CF card Reader/writer for PC
- Sensor and encoder
- Bridges & brackets
- Mountings (prepared for Inocon 53 mm)
- F-type printheads (see other flyer)

TCUF



TCUF-INT



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