

# Codeology i100/i500 Ink Jet Quick Reference Sheet

## Navigating with the keyboard

To select a menu, press the tick (✓) key.

To move back up, or escape from a menu, press the restore (↶) key.

Where you have a choice (e.g. Fwd or Rev for delay), the left blank key is the first option, the right blank is the second option. Similarly to set the forward or reverse direction, normal or inverse print, purge or not purge lines, the left blank key is the first option, the right blank is the second.

## Editing

Messages are made up of lines, up to 6 lines per message. When editing, these are shown as e.g. 1/3, message 1 line 3. Line 1 is usually the top line.

Editing works line texting on a mobile phone. Press the 1 key and you will get 1, press it again within 0.5 seconds and you will get 'A', again for 'B' and so on until you scroll around again. If you make a mistake, press the 'C' key to clear the character.

There is a keyboard timer setting which take account of how long operators take to press keys This should be set high when operators are learning the keyboard. Experienced users will find a high setting frustrating so a lower number should be entered when the operators get used to the system.

## Special commands within the message

{ } start and stop bold print 12{34}56 example 12**34**56

<> start and stop incremental numbers <0000> examples, first 4 boxes print 0000 0001 0002 0003

## Time and Date

[ and ] start and stop the real-time clock commands e.g. [AB:CD] prints the time in 12:01 format. Any characters not in the list below e.g. : or / are printed directly.

AB hours CD minutes EF GH IJ Date/Month/Year (numeric) KLM Julian day of year NO week number

P day of week Q shift number RST Month (alpha) UVW Day of year

## Sell-by dates

Use clock codes as above

cM001 e sell by months (001 to 999) cM01EF/GH/IJe example 27/02/07 (if today is 27 Jan 2007)

cD030 e sell by days (001 to 999) cD030EF/GH/IJe example 27/02/07 (if today is 27 Jan 2007)

## Other commands

c2 e start and end command for 16 dot (note the 2 after the c for 2-line print) 12c234e56 example 12**34**56.

Requires 16 dot twinline print heads.

**Power On**  
**Menu** Press ✓ to move to...

**Print** Select message to print, enter message number then press ✓. Press ↵ to exit.

**Edit** Select message to edit, enter message number then press ✓. Press ↵ to exit.

**Language** (Leave on English)

**Set Parameters** Press ✓ to move to...

### Set Parameters Submenu

#### Speed

Press ✓ to alter speed. A menu will appear asking which message you wish to alter. Press ✓ again to alter all messages. Alternatively, enter the number of the message you wish to alter and press enter.

#### Print Delay

Press ✓ to alter print delay. Press left blank key for forward delay, right blank key for reverse. Press ✓ again to alter all delays, or enter message number then press ✓ to alter just one. Delay is 0 (no delay) to 255 (long delay)

#### Dot Size

Press ✓ to alter dot size. Press ✓ to alter all sizes, or enter message number then press ✓ to alter just one. Size is 0 (off) to 255 (large) and may be limited depending on your valves. Should be set around 150.

#### Password on/off

Press ✓ to enable password. Enable or disable with the ↓ key. Press ✓ to finish

**Maintenance** Press ✓ to move to...

**Set options** Press ✓ to move to...

**Set Variables** Press ✓ to move to...

### Maintenance Submenu

#### Purge Valves

Press left blank key to put '1' under each line that you wish to purge. Right blank key puts '0'. Press ✓ to begin purging. Cover photocell to start, Press ↵ twice to exit.

#### Version

Press ✓ to view software version

#### Erase all memory

Press ✓ to clear all memory. Enter password and Press ✓. Be certain you want to do this, you will lose ALL data and messages permanently.

### Set Options

#### Shaft encoder select (Shaft Enc. 0/1)

(i500 only and requires optional serial card). Press ✓ to enable shaft encoder. Enable or disable with the ↓ key. Press ✓ to finish. (Note this stops the print if no shaft encoder is fitted)

#### Repeat print

Press ✓ to enable repeat print. Enable or disable with the ↓ key. Press ✓ to finish

#### Print 0 or 0

Press ✓ to select 0 or 0 when zero is printed. Toggle selection with the ↓ key. Press ✓ to finish

#### Set Opto Isolator Message Select (Opto Select)

(i500 only and requires optional serial card). Allows message select via 7 external inputs from a PLC or other factory device.

### Set Variables

#### Box Counter

Press ✓ to view and/or clear the box counter. Press ✓ to exit. Press C to clear the counter

#### Set time

Press ✓ to set time and date. Press ✓ to save and exit. Press ↓ to set up four shift codes.

#### Forward/reverse

Press ✓ to set the print direction for each head. Press left blank to set a head in forward, right blank to set a head in reverse. Press ✓ to exit.

#### Aspect

Press ✓ to set the aspect ratio for each head (0 to 3). Use 0 normally, 1,2 or 3 widens the print to cope with large nozzle plates. Enter 0,1,2 or 3 below each line number. Press ✓ to finish.

#### Normal/Invert

Press ✓ to set the orientation for each head. Press left blank to print a head normally or right blank to print a head in inverse (upside down print). Press ✓ to finish.

#### Repeat Print

Press ✓ to set repeat print interval (0 to 999). When repeat print is ON (see Set Options) this is the number of rasters between each repeat print. Too low a number rolls round to 65535 (very very long delay) so start at 200 and work down until you have the desired delay. Press ✓ to exit.

#### Set Key Timer

Press ✓ to set the keyboard timer (35 to 255). This sets how long the keyboard waits (in Edit only) from pressing a key to selecting the character. A low number expects operators to be fast, a high number waits longer for inexperienced operators to use the keyboard. Press ✓ to exit.