

# Linx CJ400LE



**The Linx CJ400LE fits easily into laboratory coding applications. Its unique compact and ergonomic design, along with its clean and quiet performance and simple operation make it ideal for coding onto petri dishes and other surfaces.**

The Linx CJ400 prints up to three lines of information such as batch codes, dates, times, text and other data onto almost any porous or non-porous surface. Using continuous ink jet technology, it can print onto moving surfaces from the top, side and underneath without contact, and can quickly change the printed code without lengthy set up procedures.

#### **Need a printer that fits into laboratory environments?**

The tough, compact enclosure fits easily onto benches, and the angled touch screen is easily accessible when used alongside other lab equipment.

The printer has a low noise cooling system, and is available with a wide range of inks including low odour and low evaporation types, so it is ideal for use in temperature controlled laboratories.

The CJ400LE also comes with RS232 and Ethernet ports, for integration with other equipment as required.

#### **Need a cleaner coder?**

The unique hermetically sealed printhead is designed to provide mess-free starts and stops, with minimal printhead cleaning

required – typically up to 100 starts and stops without manual intervention.

Refills are made without having to open up the printer, further helping to reduce the risk of mess.

Scheduled maintenance can be carried out in minutes with no special tools or training, by changing the Easi-Change® Service Module.

#### **Need to set up print jobs quickly and easily?**

The easy to use colour touch screen has on screen prompts and trouble shooting guides, to get you coding straight away.

Automatic message set up (PrintSync®) and line speed measurement gives consistent print quality whatever the speed of movement of the product being coded.



**LINX**

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# The Linx CJ400LE

## Dimensions (mm)

Front Elevation



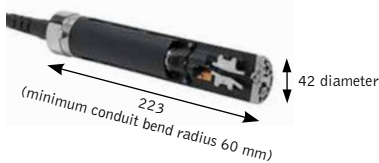
Top Elevation



Side Elevation



Printhead



## Printing speeds and sizes

Lines of print supported	Up to 3 lines of print
Message height range	1.8 mm to 8.8 mm as standard optional "carton coding" message style prints one line 20mm high @ 0.5 m/s
Character width range*	1.7 to 5.7 mm
Maximum line speed*	(in direction of product travel)
1 line of print	2.6 m/s*
2 lines of print	1.3 m/s*
3 lines of print	0.84m/s*
Maximum number of characters per second	1200*
Maximum message length	In excess of 1 m
Recommended distance from printhead to substrate	12 mm (33 mm for carton coding)

\* Figures quoted are for solid printed characters with no gaps between printed drops. Faster print speeds and wider print can be achieved easily by increasing the gap between printed drops. See the separate Linx CJ400 print samples sheet for more information

## Hardware features

- Easi-Change® Service Module offers up to 6000 hours between scheduled maintenance
- Mistake-proof mess free ink and solvent refilling, with SureFill® system, and on screen ink and solvent tank status indicators
- Up to 10 hours warning from fluid "low" to "empty"
- High brightness back-lit, ¼ VGA full colour touch screen with tough, solvent resistant polymer cover
- Durable gear pump with no scheduled changes required
- Unique automatic printhead flushing – typical cleaning interval 3 months (100 starts and stops)
- Printer status indicator LED (3 state)
- Easy to carry design with carry handles, printhead storage hooks, allows tilt up to 45 degrees from horizontal when carrying, without spillage or leakage
- Extended shutdowns (up to 4 weeks) possible without printer flushing or draining

## Software features

- Step by step message creation and editing
- Password protected functions, with customisable user profiles for secure, mistake proof operation
- On-screen help and diagnostics
- On-screen instructions for changing Easi-Change® Service Module, ink and solvent refilling and other functions
- PrintSync® automatic font and message format selection, based on message style selected and production line speed
- On-screen keyboards
- Single press print start, print pause and printer shutdown
- WYSIWYG message style selection
- WYSIWYG message store display
- Multiple operator languages
- Simple line speed and shaft encoder set up wizard, for installation on new production lines
- Message store and printer settings back up, copy and restore using USB storage device
- Remote communications interface

## Message printing facilities

- Text, symbols and numbers
- Upper-case and lower-case text
- Variable character height and width
- Automatic formats for printing dates and times (using the printer's internal clock)
- Sequential numbering, forward and backward counting, variable intervals
- Number of messages stored: Up to 1000 using internal printer memory (depending on message content), more can be stored using a USB storage device
- Bold character printing (up to 9 times)
- Rotated character (tower) printing
- Graphics and logos can be imported into the printer as Bitmap files using the USB port
- Reverse and inverted printing
- Automatic date forward function. Add any number of seconds, minutes, hours to the current time, or any number of days, weeks or months to the current date
- Prompted fields for simple message editing
- Remote fields, updated using data from an external device
- Shift coding

## Printhead characteristics

- 62µm nozzle
- Flexible and durable dual tube conduit, solvent resistant
- Stainless steel cover tube (suitable for use with magnetic and non-magnetic conveyors)
- 2m conduit
- Positive air purge to printhead (provides reliable printing in dusty or humid environments)

## Dye-based ink range

- Linx MEK base
- Linx mixed base
- Linx ethanol base

## Connections/interfaces for

- Product detector
- Shaft encoder
- External 24 volt alarm output
- USB port for message and printer settings back up and restore
- RS232 socket
- Ethernet (enabled with software option)

## Accessories/options

CLARISOFT® message creation software – messages can be created on a PC and imported onto printer using the printer USB port

## Physical characteristics

Enclosure materials	Stainless steel and high specification solvent and chemical resistant polymer
Environmental protection rating	IP53 (protected from harmful ingress of dust, resists liquid splashes from angles of up to 60 degrees from vertical)
(EN 60529:1991 / IEC60529:1989)	Bench or optional Linx trolley or table
Mounting options	(maximum tilt angle +/- 5 degrees to horizontal when printing)
Operating temperature range	5 – 25°C
Noise emission (average)	46.8 dBA
Humidity range (relative humidity, non-condensing)	10 – 90%
Power supply	100-230V, 50/60Hz No factory air is required
Power consumption	50W (typical when printing)
Weight (including fluids and printhead)	13.5 kg

## Regulatory approvals

- TÜV/NRTL
- CE mark
- RoHS
- FCC
- GOST-R

Key • standard ○ option

[www.linxglobal.com](http://www.linxglobal.com)



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