

# Linx SL301

## 30W Scribing laser system



**Do you need a laser coder that delivers improved productivity, low running costs and low maintenance, with no compromise on code quality? If so, why not switch to the Linx SL301?**

### Fastest laser coder on the market

- Digital galvos with the fastest response time and greatest control, give our lasers more time to code
- The widest range of marking heads and lens options ensures that our lasers can be fine tuned to individual applications, allowing better utilization of the laser energy.

### Lowest running costs

- A tube life of 45,000 hours – the longest tube life on the market, greatly reduces overall running costs
- Service intervals typically twice that of the industry standard, due to the laser's design which makes it very reliable in even the most demanding factory environments
- Does not require expensive factory air for cooling unlike some alternative laser coders\*

### Most versatile coder

- VisiCode™ unique to Linx lasers, enables the laser to produce the clearest code possible on cold glass.

- Choose between 10.6µm and 9.3µm laser tubes for optimum coding on different substrates
- Linx's QuickSwitch™ (optional) allows fast and easy code changes using a barcode scanner or other external device
- Label Enable, used when coding on a label station, ensures the laser is triggered at just the right moment for coding the label
- 24/7 operation without the need for manual intervention
- Choose between IP54 and IP65 models

\*IP54 models. IP65 requires a Blower Unit (see overleaf).



# Linx SL301

## Dimensions (mm)

Marking Unit



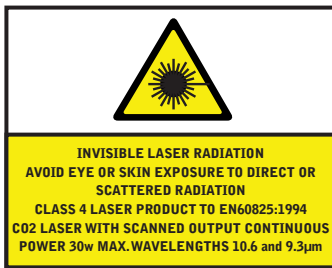
Supply Unit



Hand-held Control Unit (HCU)



Blower Unit



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



## Performance

Line speed\*  
Standard model SL301  
Spot size/Mark field/Marking distance  
Other lens and head options (range)  
• Spot size  
• Mark field  
• Marking distance  
No. lines of text  
Character height  
Print orientation

300m/min  
SHC60 Marking head, 95mm lens  
0.31mm/66x66mm/96mm

0.11–1.65mm  
29x36–295x407mm  
67–385mm  
Only limited by character size and mark field size  
0–360°

## General features

Set-up/user interface  
PC user interface application  
Multiple operating languages

Via HCU or PC  
Windows XP/Vista  
English, German, Spanish, French, Italian,  
Portuguese, Dutch, Polish, Russian

Comprehensive systems diagnostics including log function  
Variable pulse frequency  
Memory storage (MMC)  
Password protection  
Dual galvo character generation  
Automatic safety shutter

50 to 25,000 Hz  
256MB  
3 protected levels

## Printing and programming facilities

Character type  
Available fonts

Vector fonts  
9 System vector fonts, OTF, TTF, PFA, PFB  
and SVG fonts, Optional customized fonts  
Yes (hh:mm:ss)

Real time with offset  
Date stamp with offset  
Julian date  
Custom date and time formats  
Shift code with time increment  
Increment/decrement (batch count)  
Unit measurement (imperial and metric)  
Last code used  
Graphics edit and download capability  
Job control  
Job select  
Bar codes

Using LinxDraw Software

256 jobs  
BC25, BC25I, BC39, BC39E, BC93, EAN 8, EAN 13,  
BC128, EAN 128, Postnet, SCC14, UPC\_A, UPC\_E,  
RSS14TR, RSS14ST, RSS14STO, RSSLIM, RSSEXP

Data matrix 2D codes  
Circular text

ECC000, ECC050, ECC080, ECC100, ECC140, ECC200, ECC PLAIN, QR

## Physical characteristics

Material  
IP Rating: Marking unit/supply unit  
Weight: Marking unit/supply unit  
Conduit length  
Head options  
Head mounting kits  
Cooling IP54 Standard  
Cooling IP65 kit option  
Supply voltage/frequency  
Maximum power consumption

Stainless steel covers, anodised aluminium chassis  
IP54 or IP65  
21.4kg/12kg  
3m (standard), 5m (optional)  
SHC60 (standard spot), SHC100 (small spot), SHC120 (micro spot)  
BEU (Beam Extension Unit), BTU (Beam Turning Unit), straight shooter  
Air cooled  
Blower Unit (see below)  
Auto selection range 100 to 240V  
0.7kVA

## Laser details

Laser type  
Max. laser output (10.6µm)  
Life (average)  
Wave-length  
Laser tube warranty

Sealed RF excited CO<sub>2</sub>  
30W  
45,000hrs  
10.6µm or 9.3µm  
2 years

## Environmental details

Ambient operating temperature  
Automatic overheat detection  
Storage temperature  
Humidity range

5 to 40°C (70% duty cycle at maximum temperature)  
Yes  
-10 to 70°C  
10–90% (relative, non condensing)

## Interfacing

Interface ports

1 detector, 1 encoder, 1 RS232 (option)  
1 External RJ45 Ethernet Port, 1 Internal RJ45 Ethernet Port (option)

Computer interface  
Job select  
Good mark output  
Bad mark output  
Remote control  
Remote update  
Auto start up

Ethernet  
○  
●  
●  
○  
○ RS232  
●

## External Blower Unit (IP65 option)

Part number 230V Blower  
Part number 110V Blower  
Supply voltage/frequency  
Air flow capacity  
Ambient Temperature  
Weight

SLAD350 – AV/D – 230V  
SLAD350 – AV/D – 110V  
Auto selection range 115 to 230V  
400m<sup>3</sup> / hr  
+5°C to +40°C  
15kg

## Regulatory approvals

CE mark

●

\*1 line of 10 characters – Blue Card

Key ● standard ○ option



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