Linx SL301 IP65

30W Laser coding system

Do you need a robust IP65 laser coding system that does not rely on factory air or water to cool the laser tube? Then maybe it's time you looked at the Linx SL301 IP65 laser coding system.

The Linx SL301 IP65 system is a 30W laser coder specifically designed for harsh, wet and dusty environments. It comes with all of the benefits from the standard SL301 system; ease of installation, use and maintenance. It can also code onto a wide range of products at low or high speed, in a variety of manufacturing industries.

Upgrade to the PET laser tube (9.3μm) and you will have the perfect solution for your PET bottling line.

The Linx SL301 IP65 has been developed to be:
- Simple to install
- Simple to operate
- Simple to maintain

What does this mean for you?
- Lower running costs
- Less downtime and hassle
- Simple setups and everyday operations
- Reliable coding around the clock without the need for manual intervention
- High quality codes even at higher line speeds

Simple to install
- Head extension and beam turning units for simple integration into challenging line set-ups
- No factory air or water required
- Short installation times

Simple to operate
- Operation via a remote hand-held control
- Code setups and changes at the touch of a button
- Intuitive user interface – no classroom training needed
- LinxDraw PC software enables more complex code creation – including graphics & 2D codes
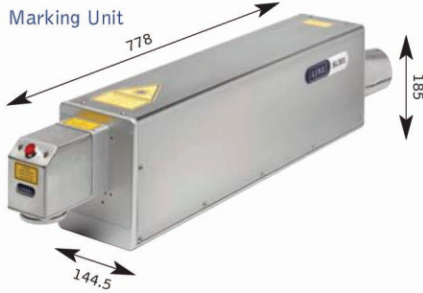
Simple to maintain
- IP65 rating – maximum reliability and uptime in challenging environments
- Long-life laser tube with large gas volume
- 24/7 operation without the need for manual intervention
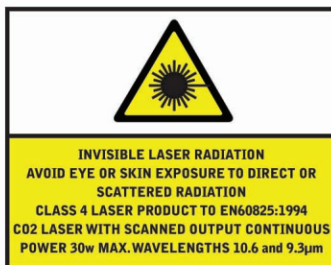
LINX

THINKING ALONG YOUR LINES

Linx SL301 IP65

Dimensions (mm)

Marking Unit

778
185
144.5

Supply Unit

137
324.5
389

Hand-held Control Unit (HCU)

230
35
220

Blower Unit

400
375
375

INVISIBLE LASER RADIATION
AVOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION
CLASS 4 LASER PRODUCT TO EN60825:1994
CO2 LASER WITH SCANNED OUTPUT CONTINUOUS POWER 30w MAX. WAVELENGTHS 10.6 and 9.3µm

www.linxglobal.com

Performance

Line speed*	300 m/min
Standard model SL301	SHC60 Marking head, 95 mm lens
Spot size/Mark field/Marking distance	0.31 mm / 66x66 mm / 96 mm
Other lens and head options (range)	
• Spot size	0.11 – 1.65 mm
• Mark field	29x36 mm – 295x407 mm
• Marking distance	67 mm – 385 mm
Number of lines of text	Only limited by character size and mark field size
Character height	Up to mark field size
Print rotation	360°

General features

Set-up/user interface	Hand-held Control Unit (HCU)
PC software interface	LinxDraw (Windows XP, 2000)
Password protection	3 levels – Operator, Line supervisor, Service engineer
Memory storage (MMC)	256MB
Fixed line speed coding	✓
Variable line speed coding	✓
High-speed column printing	✓
System diagnostic and error log function	✓

Printing and programming facilities

Fonts	9 optimised vector fonts, can import OTF, TTF, PFA, PFB and SVG fonts
Last code used function	✓
Graphics editing and import	✓
Multiple font selection	Yes – character by character
Barcodes	BC 25, BC 25I, BC39, BC 39F, EAN 13, UPC, BC 128, EAN 128, UPC_A, RSS 14TR, RSS 14ST, RSSLIM, RSSEXP
Data matrix 2D codes	ECC000, ECC050, ECC080, ECC100, ECC140, ECC200, ECC PLAIN
Languages	English, German, Dutch, Spanish, Portuguese, French, Italian

Physical characteristics

Material	Stainless steel covers, anodised aluminium chassis
IP Rating: Marking unit/supply unit	IP65
Weight: Marking unit/supply unit	21.4kg/12kg
Conduit length: Marking unit	3m (standard), 5m (optional)
Head options	SHC60 (standard spot), SHC100 (small spot), SHC120 (micro spot)
Head mounting kits	BEU (Beam Extension Unit), BTU (Beam Turning Unit), straight shooter
External Cooling Air Source	Blower unit required (see below)
External cooling hoses	Included
Supply voltage/frequency	Auto selection range 100 – 240V
Maximum power consumption	0.7kVA

Laser details

Laser type	Sealed RF excited CO_2
Max. laser output power at lens	30W
Life (average)	40,000hrs
Wave-length	10.6µm or 9.3µm
Variable frequency range	3 to 25Khz
Laser tube warranty	2 years

Environmental details

Ambient operating temperature	+5°C to +40°C (70% duty cycle at maximum temperature)
Automatic overheat detection	Yes
Storage temperature	-10°C to +70°C
Humidity range	10 – 90% (relative, non condensing)

Interfacing

Interface ports	Sensor, Encoder, Ethernet, User I/O's
Optional interfaces	Serial port

External Blower Unit (option)

Part number 230V Blower	SLAD350 – AV/D – 230V
Part number 110V Blower	SLAD350 – AV/D – 110V
Supply voltage/frequency	Auto selection range 115 to 230V
Air flow capacity	400m³ / hr
Ambient Temperature	+5°C to +40°C
Weight	15kg

Regulatory approvals

CE mark	✓

*1 line of 10 characters – Blue Card

Key ✓ standard

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