

# X1JET LX Ultra



## General Information:

|                                              |                                                 |
|----------------------------------------------|-------------------------------------------------|
| Printing technology:                         | Thermal Inkjet Technology                       |
| Supported printing technology                | LX                                              |
| Max. Number of printheads                    | 1                                               |
| Max. number of production lines              | 1                                               |
| Weight:                                      | 675 g                                           |
| Length:                                      | 120 mm                                          |
| Width:                                       | 81 mm                                           |
| Height:                                      | 91 mm                                           |
| Temperature range:                           | 5 to 40°C                                       |
| Relative humidity, maximum (non-condensing): | 10 to 90 %                                      |
| Maximum operating time:                      | The device is designed for continuous operating |

## Special features:

- Print head and print controller in one housing
- Compact design / small space requirement
- Intelligent consumables are supported
- Use of 1" ink cartridges for print heights up to 25.4 mm
- Integrated photocell for product recognition
- Variably controllable via interface
- Simple layout and parameter transfer via USB stick
- Print direction reversal
- PLC text assignment

## Restrictions:

- No label creation on site
- Print of 9 layouts

**Electrical:**

|                                                                  |                                |
|------------------------------------------------------------------|--------------------------------|
| <b>Voltage Power Supply</b><br>Four country-specific power plugs | 100 - 240 VAC / 50-60Hz (1~)   |
| <b>Voltage System</b>                                            | 12 – 24 V DC                   |
| <b>Current consumption</b>                                       | max. 1,25 A @ 12V, 0,625 @ 24V |
| <b>Power consumption</b>                                         | max. 15 W                      |
| <b>Protection Class</b>                                          | IP40                           |
| <b>Power consumption<br/>Standby</b>                             | 1,6 W                          |

**Data interfaces:**

|                 |                        |
|-----------------|------------------------|
| <b>USB</b>      | USB A socket for stick |
| <b>Ethernet</b> | RJ45                   |
| <b>EIA 232</b>  | Sub-D 15 Pol           |

**Connections:**

|                      |              |
|----------------------|--------------|
| <b>Input voltage</b> | Sub-D 15 Pol |
| <b>Sensor</b>        | Sub-D 15 Pol |
| <b>Encoder</b>       | Sub-D 15 Pol |
| <b>In-/Outputs</b>   | Sub-D 15 Pol |
| <b>Traffic light</b> | Sub-D 15 Pol |

| Performance data:                                                |                                                                                                             |
|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Cable length<br>System unit / Power supply in m                  | 1,8                                                                                                         |
| Text layout                                                      | integra Command Software                                                                                    |
| Parameter input                                                  | integra Command Software                                                                                    |
| Fonts                                                            | all available Windows fonts<br>optional: customer-specific fonts                                            |
| Print height in mm                                               | 1 to 25,4                                                                                                   |
| Max. print resolution <sup>1)</sup> in dpi                       | 300/600 vertical<br>50 – 900 horizontal                                                                     |
| User language Software                                           | German, English, French,<br>Spanish, Japanese, other in<br>the language selection                           |
| Barcodes <sup>1)</sup>                                           | EAN 8, EAN 13, EAN 128,<br>Code 2/5, Code 2/5 check,<br>Code 39, Code 128                                   |
| 2D Codes <sup>1)</sup>                                           | GS1-Datamatrix, Datamatrix,<br>QR-Code, QR Code GS1,<br>PPN Code                                            |
| Automatic functions <sup>1)</sup>                                | Date, Time, Counter, Variable,<br>customized links <sup>1)</sup>                                            |
| Graphic                                                          | Monochrome Bitmap-graphics<br>can be created with Paint for<br>example, or other software                   |
| Print image storage                                              | 9 print images for direct print<br>start<br>Unlimited for print start via<br>Ethernet / EIA 232 / USB stick |
| Storage in GB (optional expandable)                              | 1                                                                                                           |
| Storage in MB                                                    | 32                                                                                                          |
| Max. print speed in m/min at 300 dpi,<br>depending on resolution |                                                                                                             |
| Markoprint X1JET LX Print                                        | 30                                                                                                          |
| Markoprint X1JET LX Basic                                        | 30                                                                                                          |
| Markoprint X1JET LX Advanced                                     | 60                                                                                                          |
| Markoprint X1JET LX Pro                                          | 90                                                                                                          |
| Recommended for barcodes                                         | max. 60                                                                                                     |
| Print direction                                                  | L/R or R/L, from top or side.<br>Print from bottom is <b>not</b><br>possible                                |

<sup>1)</sup> Not available in all Markoprint X1JET LX Ultra versions

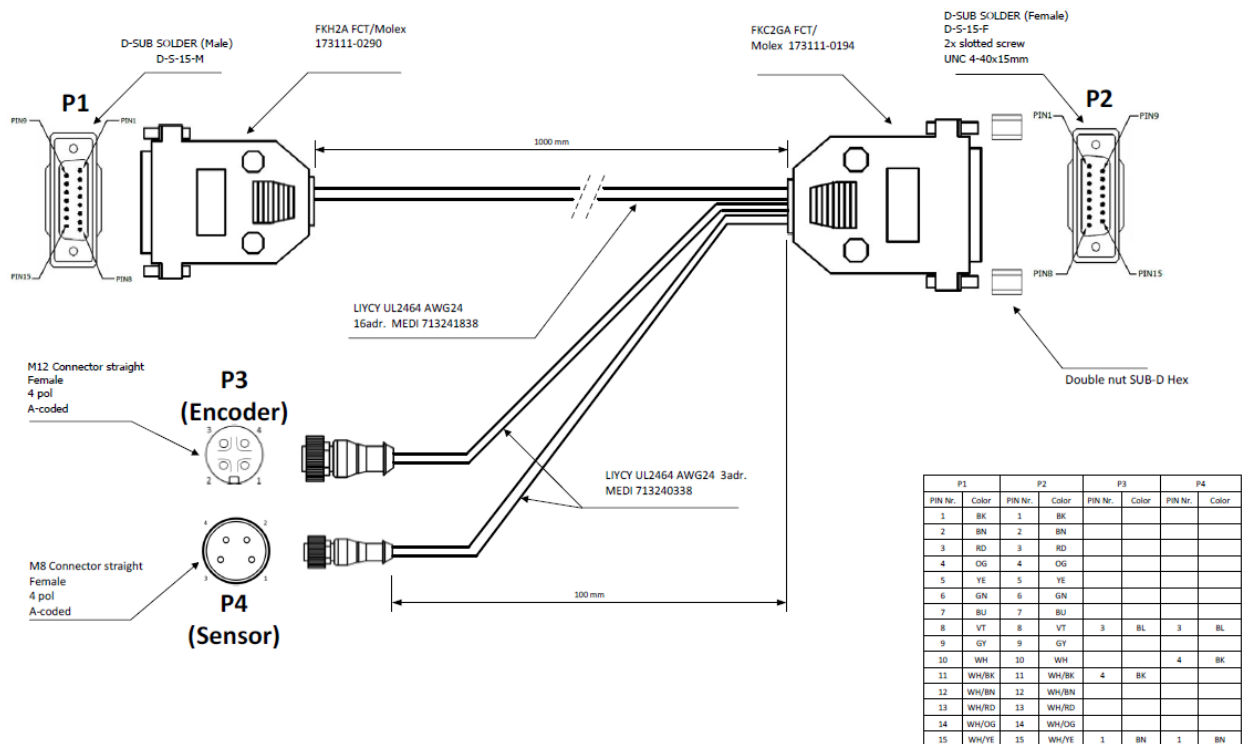
Note: The preferred print direction is from left to right. When printing from right to left, the minimum print start is 25 mm to the box front edge. If a lower distance is desired, an external photo sensor must be installed.

**Connections:**

|                         |    |
|-------------------------|----|
| External Sensor         | +  |
| Internal Sensor         | +  |
| Encoder                 | +  |
| Status / Alarm outputs  | 4x |
| Potential free contacts | -  |
| Inputs                  | 4x |
| USB A for USBB-Stick    | +  |
| USB interface           | -  |
| EIA232                  | +  |

| System versions:         | Print | Basic | Advanced | Pro     |
|--------------------------|-------|-------|----------|---------|
| Layout length in m       | 1     | 1     | 1        | 2       |
| Text                     | +     | +     | +        | +       |
| Counter                  | -     | -     | +        | +       |
| Time                     | -     | +     | +        | +       |
| Date                     | -     | +     | +        | +       |
| Date offset              | -     | -     | +        | +       |
| Logos                    | +     | +     | +        | +       |
| Variables                | -     | -     | mit HMI  | mit HMI |
| Action fields            | -     | -     | +        | +       |
| Barcodes                 | -     | -     | +        | +       |
| 2D Codes                 | -     | -     | -        | +       |
| USB-Stick Data transfer  | +     | +     | +        | +       |
| Ethernet interface       | +     | +     | +        | +       |
| EIA232                   | +     | +     | +        | +       |
| Password protection      | -     | -     | -        | -       |
| Configurable in-/outputs | +     | +     | +        | +       |
| DBPrint                  | -     | -     | -        | +       |

New Splitter cable:



#### Article numbers:

40102519 X1JET splitter cable for sensor, encoder, inputs and outputs

#### Other:

72800006 Adapter 15pin to 9pin EIA/RS 232

40055222 Y-cable 15pin D-sub male to 2x 15pin D-sub female 1000mm cable

40037993 Y-cable 15pin Sub-D male to 1x 15pin Sub-D female and 1x M12 female for HMI

40038349 Connection cable 15pin Sub-D plug to 1x M12 socket for HMI

Technical drawings X1JET LX Ultra:

