

SPE II

Robust Industrial Printing System



SPE II

Fast and robust for maximum performance

The feature of the SPE II print module is its modular and sturdy design. Developed for industrial continuous operation, it can be used in almost all cases of label marking. Whether as a Print & Apply solution in conjunction with a pneumatically controlled label applicator or as a printing system mounted on a label dispenser - the SPE II is easy to integrate into automated processes.

Numerous options support this, such as the distributor box for connecting additional components or the signal light as advance warning for approach of end of the label and transfer ribbon. The optimised transfer ribbon significantly reduces costs and contributes to sustainable material consumption.

Thanks to a high print resolution of up to 600 dpi at an extremely fast print speed of up to 350 mm/s and the modern touch operation, the SPE II is a popular universal device in the label printing and dispensing sector.



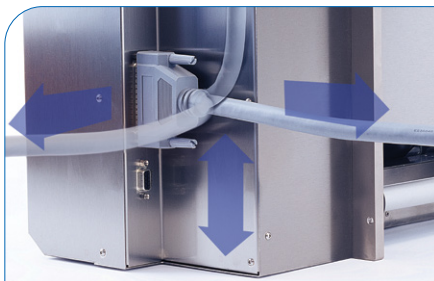
Electronic control unit as panel or desktop enclosure

The 7" touch colour display with graphical user interface is easy to use with a print preview to check the layout. With an angle bracket, the control unit (panel enclosure pictured right) can be mounted nearly anywhere. The optional desktop enclosure (pictured left), also with touch screen, with additional front USB input and on-off switch, stands on four non-slip rubber feet.



Splash water protection IP65

The electronic control unit as panel enclosure achieves protection class IP65 with the optional protection cover in accordance with DIN EN 60529 („dust-tight and protected against jet water from any angle“). The control unit therefore does not have to be covered when cleaning the machine.



Ingenious enclosure concept

The stainless steel enclosure is hygienic and easy to clean and meets the high requirements for industry solutions in the food, beverage, chemical, pharmaceutical and medical technology industries. Integration with different machines is very easy - with only one connecting cable and one space-saving flexible cable routing in all directions.



Right and left design version

The SPE II high-performance print module can print and dispense in both vertical and horizontal mounting positions and has been specially designed for labelling in continuous operation. All models in this series are available as right-hand and left-hand versions.

| | SPE II 106/12 | SPE II 106/24 | SPE II 107/12 | SPE II 108/12 | SPE II 160/12 | SPE II 162/12 |
|---|--|------------------|--------------------------|------------------|--------------------------|------------------|
| Printing | | | | | | |
| Print resolution | 300 dpi | 600 dpi | 300 dpi | 300 dpi | 300 dpi | 300 dpi |
| Max print speed | 350 mm/s | 100 mm/s | 350 mm/s | 350 mm/s | 300 mm/s | 300 mm/s |
| Max. print width | 105.7 mm | 105.6 mm | 106.6 mm | 108.4 mm | 160 mm | 162.6 mm |
| Passage width | 116 mm | 116 mm | 116 mm | 116 mm | 176 mm | 176 mm |
| Printhead | Flat Type | Flat Type | Corner Type ¹ | Flat Type | Corner Type ¹ | Flat Type |
| Labels | | | | | | |
| Labels, continuous rolls or fan-fold | paper, cardboard, textile, synthetics | | | | | |
| Material weight | max 220 g/m ² (larger on demand) | | | | | |
| Min label width | 25 mm | | | | | 50 mm |
| Min label height | 15 mm | | | | | |
| Max label height | 3000 mm | 750 mm | 3000 mm | 3000 mm | 2000 mm | 2000 mm |
| Label sensor Standard Option | transmission transmission and reflexion from bottom, transmission and reflexion from top, ultrasonic photocell | | | | | |
| Transfer ribbon | | | | | | |
| Ink | outside/inside | | | | | |
| Core diameter | 25.4 mm / 1" | | | | | |
| Roll diameter | Ø 90 mm | | | | | |
| Ribbon length | 450 m | | | | | |
| Ribbon width | 110 mm | | | | 163 mm | 170 mm |
| Fonts | | | | | | |
| Font types | 6 Bitmap fonts 8 Vektor fonts/TrueType fonts 6 proportional fonts other fonts on demand | | | | | |
| Bar Codes | | | | | | |
| 1D bar codes | 2/5 Industrial, Codabar, Code 128, Code 128A, Code 128B, Code 2/5 interleaved, Code 39, Code 39 extended, Code 93, EAN 13, EAN 8, EAN Add-on, GS1-128, Identcode, ITF 14, Leitcode, Pharmacode, PLANET (Postal Alpha Numeric Encoding Technique), PostNet, PZN 7, PZN 8, UPC-A, UPC-E, USPS Intelligent Mail | | | | | |
| 2D bar codes | Aztec Code, CODABLOCK F, DataMatrix, GS1 DataMatrix, MAXICODE, PDF 417, QR Code | | | | | |
| Composite bar codes | GS1 DataBar Expanded, GS1 DataBar Limited, GS1 DataBar Omnidirectional, GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional, GS1 DataBar Truncated | | | | | |
| Dimensions (width x height x depth) | | | | | | |
| Print mechanics | 245 x 300 x 317 mm | | | | 245 x 300 x 377 mm | |
| Control unit | Panel enclosure: 314 x 230 x 80 mm (without connection lines) Desktop enclosure: 287 x 127 x 250 mm (without connection lines) | | | | | |
| Weight | | | | | | |
| Print mechanics | 11 kg | | | | 13 kg | |
| Control unit | Panel enclosure: 5.5 kg (without connection lines) Desktop enclosure: 4.5 kg (without connection lines) | | | | | |
| Connection cable | 0.85 kg (print mechanics - control unit) | | | | | |
| Acoustic Emission (measuring distance 1 m) | | | | | | |
| Average sound power level | 66.4 dB(A) | 62.3 dB(A) | 63.7 dB(A) | 68.4 dB(A) | 67.8 dB(A) | 65.1 dB(A) |
| Interfaces | | | | | | |
| Serial | RS-232C (up to 115,200 Baud) | | | | | |
| USB | 2.0 High Speed Slave | | | | | |
| Ethernet | 10/100 Base T, LPD, RawIP-Printing, DHCP, HTTP, FTP | | | | | |
| 2 x USB Master | Connection for external USB keyboard and memory stick | | | | | |
| Operation data | | | | | | |
| Power supply | 100 ... 240 V AC / 50-60 Hz | | | | | |
| Power consumption | 400 VA | | | | | |
| Nominal consumption | 4 ... 2 A | | | | | |
| Fuse values | 2x T4A 250 V | | | | | |
| Temperature | 5 ... 40 °C | | | | | |
| Humidity | max 80 % (non condensing) | | | | | |

¹ = Transfer ribbon saving

Ribbon
save



Thermal
printhead



Config
Tool



Labelstar
Office



Loftware



Local retailer

Branches:

Sales office Bavaria

Marienplatz 8a . 83043 Bad Aibling
Phone +49 8061 3498888 . rstreck@carl-valentin.de

Sales office Spain

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