



Spectra II.

Highspeed performance in the 2nd generation.

Our developers once again done a great job: With the further development of the Spectra II, one of the quickest and most precise label printers has been optimised even further.

The first thing you see is the modern design line in which the 6.5" touch display, included as standard, is a striking new feature. It allows for intuitive manual operation: quick direct and uncomplicated. The printing process is quick as well: With speeds of up to 350 mm/s and additional transfer tape optimisation, there are hardly any comparable label printers which can hold a candle to the Spectra II here. This innovation from Carl Valentin is thus the perfect solution for all industries in which quick, precise and highly-quality printing results matter.

A wide variety of optional features such as roll-to-roll (rolls up to max 200 mm can be unwinded and rewinded internally), barcode scanner or WLAN round out the overall impression: equipped for practically any industrial infrastructure!

- 6.5" Touch-screen display
- Roll-to-roll
- Print speed up to 350 mm/s



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Highlights

- 6.5" Touch-screen display
- Print speed up to 350 mm/s
- Front USB host
- Compact cover

Options

- Rotation cutter unit
- Dispenser unit
- Roll-to-Roll
- Internal rewinder
- External rewinder

Rotation cutter unit



Dispenser unit



Internal rewinder



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Technical specification.

	Spectra II 103/8 (104/8)	Spectra II 106/12	Spectra II 106/24	Spectra II 107/12	Spectra II 108/12	Spectra II 160/12	Spectra II 162/12	Spectra II 216/12
Printing								
Print resolution	200 dpi	300 dpi	600 dpi	300 dpi	300 dpi	300 dpi	300 dpi	300 dpi
Print speed	350 mm/s	350 mm/s	100 mm/s	350 mm/s	350 mm/s	300 mm/s	300 mm/s	200 mm/s
Print width	104 mm	105.7 mm	105.6 mm	106.6 mm	108.4 mm	160 mm	162.6 mm	216.8 mm
Passage width	116 mm	116 mm	116 mm	116 mm	116 mm	176 mm	176 mm	226 mm
Printhead	flat Type ¹⁺²	flat Type ²	flat Type ²	corner Type ²	flat Type ¹⁺²	corner Type ²	flat Type ¹⁺²	flat Type ¹⁺²
Labels								
Adhesive labels, continuous labels	rolls or fan-fold: paper, cardboard, textile, synthetics							
Material weight	max. 220 g/m ² (larger on demand)							
Label width	min 15 mm	min 15 mm	min 15 mm	min 15 mm	min 15 mm	min 50 mm	min 50 mm	min 100 mm
Label height								
Standard	min 6 mm	min 6 mm	min 15 mm	min 6 mm	min 6 mm	min 15 mm	min 15 mm	min 15 mm
Cutter mode/ dispenser mode	min 25 mm	min 25 mm	min 25 mm	min 25 mm	min 25 mm	min 25 mm	min 25 mm	min 25 mm
Label height (mm)	max 6000	max 3000	max 750	max 3000	max 3000	max 2000	max 2000	max 1000
Roll diameter (mm)								
Internal unwinder	max 200							
Internal rewinder	max 200 (option)							
Core diameter	40 mm / 75 mm (option)							
Winding	outside or inside							
Label sensor								
Standard	bottom transmission and reflexion							
Option	top transmission and reflexion, ultrasonic photocell							
Transfer ribbons								
Ink	outside or inside							
Core diameter	25,4 mm/1"							
Roll diameter	max Ø 90 mm							
Length	max 450 m							
Width	max 110 mm	max 110 mm	max 110 mm	max 110 mm	max 110 mm	max 163 mm	max 170 mm	max 220 mm
Fonts								
Font types	6 bitmap fonts 8 vector fonts/TrueType fonts 6 proportional fonts other fonts on demand							
Bar Codes								
1D bar codes	CODABAR, Code 128, 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, PZN Code, UPC-A, UPC-E							
2D bar codes	aztec Code, CODABLOCK F, DataMatrix, GS1 DataMatrix, MAXICODE, PDF 417,							
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	287 x 380 x 503 mm	287 x 380 x 503 mm	287 x 380 x 503 mm	287 x 380 x 503 mm	287 x 380 x 503 mm	337 x 380 x 503 mm	337 x 380 x 503 mm	337 x 380 x 503 mm
Weight								
Weight	19 kg	19 kg	19 kg	19 kg	19 kg	21 kg	21 kg	28 kg
Interfaces								
Serial	RS-232C (max 115,200 baud)							
Parallel	SPP							
USB	2.0 High Speed Slave							
Ethernet	10/100 Base T, LPD, RawIP-Printing, DHCP, HTTP, FTP							
3 x USB Host	connection for external USB keyboard and USB stick							
WLAN (option)	module 802.11 b/g/n WEP, WPA, WPA-PSK, WPA2, WPA2-PSK, EAP							
Operating conditions								
Nominal voltage	110 ... 230 V AC							
Power	300 VA							
Nominal current	2.7 A							
Operating temperature	5 ... 35 °C							
Relative humidity	max 80 % (non-condensing)							

¹ = For thermal direct. ² = For thermal transfer