

## Types

### One concept, two sizes

The EOS series combines all functions of a solid label printer with highest operating comfort.

1.1



### **eos2**, the compact one

for label roll diameters up to 152 mm

Label printer		EOS 2	
Printable resolution	dpi	203	300
Print speed	up to mm/s	150	150
Print width	up to mm	108	105.7
Label roll diameter	up to mm	152	152
Power supply		100 - 240 VAC, 50/60 Hz	

1.2



### **eos5** for large label rolls

with diameters up to 203 mm

Label printer		EOS 5	
Printable resolution	dpi	203	300
Print speed	up to mm/s	150	150
Print width	up to mm	108	105.7
Label roll diameter	up to mm	203	203
Power supply		100 - 240 VAC, 50/60 Hz	

## Mobile printing

in production, warehousing or agriculture, wherever labels are required and access to electricity is missing. 24 V input voltage enable the printer to be power supplied by any powerful battery. For technical battery data see accessories

1.3



### **eos2 mobile**

for label roll diameters up to 152 mm

Label printer		EOS2 mobile	
Printable resolution	dpi	300*	
Print speed	up to mm/s	150	
Print width	up to mm	105.7	
Label roll diameter	up to mm	152	
Power supply		16.5 - 25 VDC	

1.4



### **eos5 mobile**

for label roll diameters up to 203 mm

Label printer		EOS 5 mobile	
Printable resolution	dpi	300*	
Print speed	up to mm/s	150	
Print width	up to mm	105.7	
Label roll diameter	up to mm	203	
Power supply		16.5 - 25 VDC	

\*203 dpi on request

## Details



To achieve accurate imprint with slim materials and ribbons, slim print rollers are needed. These prevent from print roller wear, print head contamination and errors during material feed.

### 1 Roll holder

The label roll is inserted and automatically centered when closing.

### 2 Ribbon holder

The stop can be adjusted according to the ribbon width.

### 3 Print head 203 / 300 dpi

In case of cleaning or wear, the print head can be replaced easily by hand without tools.

### 4 Label sensor - gap or reflective

The sensor position can be adjusted via a spindle using the red rotary knob. The chosen position is indicated by a LED.

### 5 Print roller DR4

In case of cleaning or wear, the print roller can be replaced without tools.

### 6 Material guide



Using the rotary knob, the guides can be adjusted to the material width

### 7 Tear-off plate

made of thin sheet steel; jagged, so labels are cleanly separated

## Operation panel

Intuitive and easy operation with self-explanatory symbols to configure the device setups

- 1 **LED signal:** Power ON
- 2 **Status bar:** Data reception, Record data stream, Ribbon pre-warning, SD memory card / USB memory stick, Bluetooth, WLAN, Ethernet, USB slave, Time
- 3 **Printer status:** Ready, Pause, Number of printed labels per print job, Label in peel-off position, Awaiting external start signal
- 4 **USB slot** for the Service Key or a memory stick, to load data in the IFFS storage
- 5 **Operation:**
  -  Cutter / perforation cutter: cutting
  -  Tear-off mode: print label



Jump to menu



Stop and delete all print jobs



Reprint last label



Label feed



Interrupt and continue print job



## Interfaces on the back of the device



### 1 for a SD memory card

2 **2 x USB host** to connect a Service Key, USB memory stick, keyboard, barcode scanner, USB Bluetooth adapter, USB WLAN stick

3 **USB 2.0 Hi-speed Device** to connect a PC

4 **Ethernet 10/100 Mbit/s**

5 **RS232C** 1,200 to 230,400 baud/8 bit

# Technical data

● typical ■ standard □ option

		1.1		1.2		1.3		1.4	
Label printer		EOS 2		EOS 5		EOS 2 mobile		EOS 5 mobile	
Material feed		centered							
Printing method	Thermal transfer	●		●		●		●	
	Thermal direct	●		●		●		●	
Printable resolution	dpi	203	300	203	300	300	300	300	300
Print speed	up to mm/s	150	150	150	150	150	150	150	150
Print width	up to mm	108	105.7	108	105.7	105.7	105.7	105.7	105.7
Start of printing	Distance to locating edge	mm centered							
<b>Material<sup>1)</sup></b>									
Paper, cardboard, plastics PET, PE, PP, PI, PVC, PU, acrylate, Tyvec		●		●		●		●	
Shrink tubes	ready-for-use	●		●		-		-	
	continuous, pressed	●		●		-		-	
Textile tapes		●		●		●		●	
Packing	on rolls, reels	●		●		●		●	
	Fanfold	□		□		-		-	
	Roll diameter	up to mm	152	203	152	203	152	203	
	Core diameter	mm	38.1 - 76						
	Winding		outside or inside						
Labels	Width single-lane	mm	10 - 116						
	multi-lane	mm	5 - 116						
	Height excl. label backfeed	from mm	5						
	incl. label backfeed	from mm	12						
Thickness		mm	0.05 - 0.6						
Liner material	Width	mm	25 - 120						
	Thickness	mm	0.05 - 0.16						
Continuous material	Width	mm	5 - 120						
	Thickness	mm	0.05 - 0.5						
	Weight (cardboard)	up to g/m <sup>2</sup>	180						
Shrink tubes	Width ready-for-use	up to mm	120						
	continuous, pressed	mm	5 - 85						
	Thickness	up to mm	1.1						
Ribbon <sup>2)</sup>	Ink side		outside or inside						
	Roll diameter	up to mm	72						
	Core diameter	mm	25.4						
	Variable length	up to m	360						
	Width	mm	25 - 114						
<b>Printer sizes and weights</b>									
Width x Height x Depth	mm	253 x 191 x 322		264 x 247 x 412		253 x 191 x 322		264 x 247 x 412	
Weight	kg	4		5		4		5	
<b>Label sensor indicating the position</b>									
Gap sensor	for	labels or punch marks and end of material, print marks on transparent materials							
Reflective sensor	reflex from below or top	for	labels and end of material, print marks on non-transparent materials						
Distance of sensor	from centre to locating edge	centered mm	0 - 58						
Material passage	up to mm	4							
<b>Electronics</b>									
Processor 32 bit clock rate	MHz	800							
Main memory (RAM)	MB	256							
Data memory (IFFS)	MB	50							
Slot to connect a SD memory card (SDHC, SDXC)	up to GB	512							
Battery for time and date, real-time clock		■							
Data memory when power is switched off (e.g. serial numbering)		■							
<b>Interfaces</b>									
RS232C	1,200 to 230,400 baud/8 bit	■							
USB 2.0 Hi-speed device to connect a PC		■							
Ethernet 10/100 BASE-T		LPD, IPv4, RawIP printing, DHCP, HTTP/HTTPS, FTP/FTPS, SMTP, SNMP, TIME, NTP, Zeroconf, SOAP web service, VNC							
1 x USB host on the operation panel	for	Service Key or USB memory stick							
2 x USB host on the back of the device	for	Service Key, USB memory stick, keyboard, barcode scanner, USB Bluetooth adapter, USB WLAN stick, external operation panel							
USB WLAN stick 2.4 GHz 802.11b/g/n		□							
USB WLAN stick 2.4 GHz 802.11b/g/n + 5 GHz 802.11a/n/ac, Hotspot or Infrastructure Mode		□							
USB Bluetooth adapter		□							
Peripheral connection USB host, 24 VDC		■							
<b>Operating data</b>									
Power supply		100 - 240 VAC, 50/60 Hz, PFC				24 VDC			
Power consumption		Standby 1,8 W / typical 45 W							
Temperature / humidity	Operation	+5 - 40°C / 10 - 85 %, not condensing							
	Stock	0 - 60°C / 20 - 85 %, not condensing							
	Transport	-25 - 60°C / 20 - 85 %, not condensing							
Approvals		CE, FCC Class A, ICES-3, cULus, CB, CoC Mexico, CCC, EAC, BIS, BSMI, KC-Mark, RCM							
<b>Operation panel</b>									
Colored LCD touch display	Screen diagonal	"							4.3
	Resolution Width x Height	px							272 x 480

<sup>1)</sup> The material specifications are standard values. Applications with small labels, thin, slim, thick and stiff materials as well as strongly adherent labels have to be tested.

<sup>2)</sup> The ribbon should at least correspond with the width of the liner material.