

Global Compliance

Avery Dennison® Multi-Functional ALS Labeling Systems

Elevating Brands and Accelerating Performance
Throughout the Global Retail Supply Chain



Accelerate Performance: Global Compliance

Avery Dennison's integrated identification solutions for in-plant and distribution centers accelerate performance throughout the retail supply chain.

Multi-Functional Industrial Labeling Systems

Avery Dennison ALS Labeling Systems can be configured to fit virtually any industrial labeling challenge. Whether it's applying at high or low application speed, using small or wide labels or working in wet or dry environments, we have the right solution in our reliable, durable Avery Dennison ALS 104, 204, 206 and 256 series label systems.

Recommended Labeling Applications

- Product
- Canned Goods
- Household Goods
- Shipping
- Food and Beverage
- Decorative
- Hygiene
- Electronics
- Cosmetics

Fast and Flexible

- Combines extreme robustness with high-performance
- Configured for demanding performance in continuous operation, 24 hours a day, 7 days a week
- Modular concept for easy integration into a unit in your existing system in exchange for another
- Features bottom, side and top labeling with three different fixing options
- Dispensing edge can be rotated by up to 90° for even greater flexibility

Option Kit Makes ALS Family Perfect for Multiple Environments

IP 65 kits provide protection for the applicators and facilitate easy cleaning, which is particularly important in the food industry. With the addition of the IP65 kit, the ALS family can also be used in humid or dusty environments.

Elevating Brands. Accelerating Performance.

Experience this and many other supply chain solutions at our worldwide Customer Design and Innovation Centers. To schedule a tour of our Customer Design and Innovation Centers, please call 800.543.6650, prompt 5, or e-mail rbis.solutions@averydennison.com.

For more information on the Avery Dennison Multi-Functional ALS Labeling Systems, visit our website at www.rbis.averydennison.com.



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ALS 104 RH/LH SPECIFICATIONS		
Dispensing speed up to	Up to 30 m/min	
Labels	Material	Self-adhesive label with liner; inside/outside winding possible
	Label roll diameter: unwinder	up to 300mm
	Backing paper roll diameter: rewinder	up to 200mm
	Core diameter	1.5"/3"/4"
	Material width including backing paper	10 – 110mm
	Label length	5 - 600mm
Label stop accuracy	At dispensing edge	+/- 0.5mm at fixed speed; +/- 1.0mm at variable speed
Electronics	Processor	16 Bit DSP
	Card slots	none
	Control panel	Graphical display, 128 x 32 dots, two lines, five push buttons
Data interfaces	Serial	1x RS232
	Ethernet	none
	USB	none
	Remote display	1x RS422 (Mini-DIN 6)
PLC interfaces	Opto-isolated	Sub-D15
	Output	3X PNP, 24V, max. 500 mA/output; 1x isolated relay output, max 125 mA (NC, NO selectable)
	Total max	1500mA
	Input	none
	Parallel function to PNP-output	optional on 8 pin M12 connector: PNP/NPN, 24V
External sensor interfaces	Opto-isolated	4-pin M12 connectors
	Label sensor	OPT242-P800 sensor
	Alternate sensor	PNP/NPN, 24V
	Product sensor	PNP/NPN, 24V
	APSF sensor	Single phase, PNP/NPN, 24 V
	OD-sensor	PNP/NPN, 24 V
Status messages	Status messages/Test functions:	No gap found/missing labels count
Test functions		Automatic diagnosis after powering on
IP-protection	Class	Standard 21, optional IP65
Noise	max	< 70dB (A)
Dimension/Environment	H x W x D [mm]	492 x 488 x 371
	Weight	33 kg
	Mains voltage	115V (AC) at 60 Hz power frequency; 230 V (AC) at 50 Hz power frequency
	Operating temperature	5-40°C
	Humidity	30 to 85% non-condensing
	Qualification	CE, TUV/GS, FCC, CCC, GOST, NRTL [US/CA]
Labelling positions		top/side/bottom; direct apply
Options:	L-shape dispensing edge, V-shape dispensing edge, external OD sensor, external remote control display, IP 65 kit, rotary encoder for APSF (automatic product speed follower)	

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Avery Dennison® Multi-Functional ALS Labeling Systems



Avery Dennison® Multi-Functional ALS Labeling Systems (continued)

SPECIFICATIONS FOR		ALS 204 RH/LH		ALS 206 RH/LH		ALS 256 RH/LH	
Dispensing speed up to		40m/min		30m/min		50m/min	
Labels:	Material	self-adhesive label with liner; inside/outside winding possible					
	Label roll diameter unwinder	up to 300mm					
	Backing paper roll diameter rewinder	up to 200mm					
	Core diameter	1.5"/3/4"					
	Material width incl. backing paper	10-110mm		10-160mm		10-160mm	
Label length		5-600mm					
Label stop accuracy:	At dispensing edge	+/-0.5 mm at fixed speed; +/-1.0 mm at variable speed					
Electronics:	Processor	32 Bit CPU (ARM)					
	Card slots	Slot for one SD-card					
	Control panel	Graphical display 128 x 32 dots, 2 lines, 5 push buttons					
Data Interfaces:	Serial	1x RS232C, D-Sub 9, max. 115200 Baud					
	Ethernet	1x 10/100 Base T/TX RJ45					
	USB	1x device, 1x host					
	Remote Display	1x RS485 (mini-DIN 6)					
	Internal interfaces	Applicator interface (optional)					
PLC Interfaces:	Opto-isolated	Sub D15 or optional two 8-pin M12					
	Output	4x PNP, 24 V, max. 500mA/Output					
	Total max.	1500mA					
	Input	3x PNP/NPN, 24 V					
External sensor interfaces:	Opto-isolated	4-pin M12 connector					
	Label sensor	Avery Dennison Optical Label sensor					
	Alternative sensors	PNP/NPN, 24 V					
	Product sensors	PNP/NPN, 24 V					
	APSF sensors	Single/bi-phase, PNP, 42 V					
	OD-sensor	PNP, 42 V					
Status messages/	Dispensing stops, when	1. Label stock ends or 2. Missing label counter is exceeded or 3. No gap found					
Test functions		Automatic diagnosis after powering on					
IP-protection	Class	Standart 21, option 65				Standard 21	
Noise:	Max.	< 70 dB [A]					
Dimension/Environment	H x W x D [mm]	492 x 488 x 371		492 x 488 x 402		492 x 488 x 402	
	Weight	36 kg		38 kg		40 kg	
	Mains voltage/power consumption	115V (AC) at 60 Hz power frequency; 230 V (AC) at 50 Hz power frequency				100-240 V (AC) at 60/50 Hz power frequency	
	Operating temperature	5-40°C					
	Humidity	30-85%, not condensing					
	Qualification	CE, TUV/GS, FCC, CCC, GOST, NRTL [US/CA]					
Labeling positions		Top/side/bottom. Direct apply or by use of applicator					
Options:	L-shape dispensing edge, V-shape [ALS 204 only] dispensing edge, external OD sensor, different sensors and applicators, external remote control display, Tandem function, Applicator Interface, IP 65 kit (for ALS 204 and ALS 206), adjustable fixture for L-shape, rotary encoder for APSF (automatic product speed follower)						

Disclaimer : product modifications can result in changes of specifications all times. Always refer to manuals for actual status.

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