

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 in-plant and distribution center, identification solutions accelerate performance throughout the general manufacturing 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 applicators.

Recommended Labeling Applications

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

Fast and Flexible

- Combine 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.dmail@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 SPECIFICATIONS	
Labels	Up to 30 m/min
Label 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, RAM 4 kByte, ROM 64 kByte
Electronics: control panel	Graphical display, 128 x 32 dots, two lines, five push buttons
Data interface	Serial: 1x RS232, D-Sub 9 for service purposes; Remote display: 1x RS422 (Mini-DIN 6)
External sensor interfaces	Opto-isolated: 4-pin M12 connectors Label sensor: Avery Dennison Optical Label sensor Alternate sensor: PNP/NPN, 24V Product sensor: PNP/NPN, 24V APSF sensor: Single phase, PNP, 24 V OD-sensor: PNP/NPN, 24 V
SPS/PLC interface	Opto-isolated: Sub-D15 Outputs: 3X PNP, 24V, max. 500 mA per channel; 1x isolated relay output, max 125 mA (NC, NO selectable) Total max:1500 mA Parallel function to PNP-outputs: optional on 8 pin M12 connector: PNP/NPN, 24V

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

SPECIFICATIONS FOR		ALS 204 RH/LH	ALS 206 RH/LH
Dispensing speed up to		40m/min	30m/min
Labels:	Material Label roll diameter unwinder Backing paper roll diameter rewinder Core diameter Material with incl. backing Paper Label length	self-adhesive label with liner; inside/outside winding possible 300mm 200mm 1.5"/3/4" 10-110mm 5-600mm	10-160mm
Label stop accuracy:	at dispensing edge	+/-0.5 mm at fixed speed +/-1.0 mm at variable speed	
Electronics:	Processor Card slots Control panel	32 Bit CPU (MPS), RAM 16 MByte, ROM 4 MByte Slot for one CF-card or WLAN-card Graphical display 128 x 32 dots, 2 lines, 5 push buttons	
Data Interfaces:	Serial Ethernet USB Remote Display Internal interfaces for	1x RS232C, D-Sub 9, max. 115200 Baud 1x 10/100 Base T/TX RJ45 1x device V1.1, USB-8 1x RS422 (Mini-DIN 6) Applicator interface (optional)	
SPC/PLC Interfaces:	Output Total max. Input	4x PNP, 24 V, max. 500mA/Kanal 1500mA 3x PNP/NPN, 24 V	
External sensor interfaces:	Opto-isolated Label sensor or alternative sensors Product sensors APSF sensors OD-sensor	4-pin M12 connectors Wenglor OPTO1N optical PNP/NPN, 24 V PNP/NPN, 24 V Single/bi-phase, PNP, 24 V PNP, 24 V	
Status messages/ Test functions:	Dispensing stops, when	- label stock ends - missing label counter is exceeded automatic diagnosis after powering on	
IP-protection	Class	Standart 41, option 65	
Noise:	max	< 70 dB [A]	
Dimension/Environment	H x W x D [mm]	490 x 490 x 340	490 x 490 x 390
	Weight	36 kg	38 kg
	Mains voltage/power consumption	110/230 V AC/460 VA	
	Operating temperature	5-40°C	
	Humidity	30-85%, not condensing	
	Qualification	CE, TUV/GS, FCC, CCC, GOST, NRTL [US/CA]	
Options:	L-shape dispensing edge, V-shape [ALS 204 only] dispensing edge, external OD sensor, different sensors and applicators, external remote controll display, Tandern, Applicator Interface, IP 65 kit, adjustable fixture for L-shape		

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

SPECIFICATIONS FOR ALS 256		
Dispensing speed:	Up to 50 m/min	
Labels:	Material Winding direction Roll diameter unwinder up to Roll diameter rewinder up to Core diameter Material width Label length	self-adhesive label with liner inside/outside winding possible 300mm 200mm 1.5"/3/4" 10-110mm 5-600mm
Label accuracy:	+/-0.5 mm [at dispensing edge]	
Electronics:	Processor Card-Slot Control panel	32 Bit CPU [MPS], RAM 16 MByte, ROM 4 MByte Slot for one CF-card or WLAN-card Graphical display 128 x 32 dots, 2 lines, 5 push buttons
Data Interfaces:	Serial Ethernet USB Remote Display Internal interfaces	1x RS232C, D-Sub 9, max. 115200 Baud 1x 10/100 Base T/TX RJ45 1x device V1.1, USB-8 1x RS422 (Mini-DIN 6) Applicator interface (optional)
SPC Interfaces:	Exits Altogether permissible exit current Entries	4x PNP, 24 V, max. 500mA/channel 1500mA 3x PNP/NPN, 24 V
External sensor interfaces:	Opto-insulated Label sensor Alternative sensors Product sensors APSF sensors OD-sensor	4-pin M12 connectors Wenglor OPTO1N optical PNP, 24 V PNP, 24 V Single/bi-phase, PNP, 24 V PNP, 24 V
Status messages	Dispensing stops, when	1. label stock ends 2. missing label counter is exceeded
Test functions:	Automatic diagnosis stoer switching on	
Dimensions:	H x W x D [mm]	490 x 490 x 390
Dimension/Environment	Weight Mains voltage Power consumption Operating temperature Humidity Qualification	36 kg 110/230 V AC 460 VA 5-40°C 30-85%, not condensing CE, TUV/GS, FCC, CCC, GOST, NRTL [US/CA]
Options:	L-shape dispensing edge, external OD sensor, various sensors, external remote-control display, rotary encoder for APSF functionality [automatic speed follower], tandem kit	

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