

"PM-300-CS" Constant Speed Systems



Reel-to-Reel Constant Speed Systems



PM-300-CS

- For applications requiring constant speed.
- Speed up to 61 cm/sec
- "1 by 1" mode on the "Step" model.
- 3- Years Parts and Labour Limited Warranty.



PM-300-CS

The PM-300-CS Constant Speed Reel-to-Reel Label Printer Mechanism works at constant adjustable speed (independently of the supply and rewind roll diameters). The maximum speed is 40cm/sec or 61cm/s upon request. The long-term speed stability is +/-5%. For more precise print jobs, an optional encoder can be added.

The PM-300-CS is an ideal table top platform for OEM applications that use an ink-jet head. When not used as a printer, the PM-300-CS can be used as a reel-to-reel Counter – Rewinder. The optional built-in encoder has a resolution of 0,041mm.

Other options include a label counter or a more sophisticated counter that can be used to count labels or indicate the speed at which the labels are moving.

The PM-300-CS can also be used with certain laser heads.

PM-300-CS-STEP

The PM-300-CS-STEP Constant Speed Reel-to-Reel System from LABELMATE works at constant adjustable speed (independently of the supply and rewind roll diameters). The maximum speed is 40cm/sec. The long-term speed stability is +/-5%.

This model has a "1 by 1" mode that allows to stop automatically after each label, and advances to the next label by a push button or by an external command.

For more precise print jobs, an optional encoder can be added.

The PM-300-CS-STEP is an ideal table top platform for programming and reading RFID tags. When not used for programming, the PM-300-CS-STEP can be used as a reel-to-reel Counter – Rewinder. The optional built-in encoder has a resolution of 0,041mm.

Other options include a label counter or a more sophisticated counter that can be used to count labels or indicate the speed at which the labels are moving.

KEY FEATURES:

- **Maximum roll diameter:** 300mm.
 - **Max. roll weight:** 6Kg.
 - **Label width:** up to 125mm.
 - **Speed:** Adjustable constant speed from 0 to max. 40cm/sec or 61cm/sec, depending on the request. Step version : max. 40cm/sec Accuracy: +/- 5%.
- The speed specifications apply for a machine used in normal office room temperatures.*
- Rugged Construction.
 - Secured DB-9 Print Head Connector.
 - Adjustable Label Guide.
 - 220-240V – 50-60Hz AC Input
 - Label sensor: Open collector output.

Designed for all-day, every-day use, the PM-300 Reel-to-Reel Printer Mechanism is backed by LABELMATE's famous 3-Year Parts and Labour Limited Warranty, assuring you trouble-free performance (1-year on power supply).

P/N	MODEL	DESCRIPTION	LABEL WIDTH (mm)	ROLL DIAM. (mm)	SPEED (cm/sec)
LMP005	PM-300-CS	Reel-to-Reel Label printer mechanism. Constant speed model. Size: W x D x H: 800 x 380 x 330 mm.	125	300	40 or 16
LMP006	PM-300-CS-STEP	Reel-to-Reel Label printer mechanism with constant speed and "1 by 1" mode Size: W x D x H: 800 x 380 x 330 mm.	125	300	40

PRINTER MECHANISMS OPTIONS

P/N	MODEL	DESCRIPTION
LMX478	ENC	Optional built-in encoder with resolution of 0,041mm.
LMX474	PC-2	Optional 6-digit pre-set counter.
LMX475	PC-3	Dual function preset counter. Allows to counts labels or show instantaneous web speed.
LMX476	HSA™-BC	Mounting bracket and cable for HAS™ printhead.
LMX477	WEB-BC	Mounting bracket and cable for Markoprint (Weber)™ X1-Jet print head

Shipping Weight: Approx. 23 Kg.

Power: 220/240-vac 50-Hz. 120-vac 60-Hz power supply is also available.



PM-300-CS-STEP

Specifications are subject to change without notice. Data PM-300-CS 09/2017



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"PM-300" Reel-to-Reel Printer Mechanisms



Reel-to-Reel Label Printer Mechanisms for Inkjet and Laser Heads.



- Use with your preferred inkjet head.
- Speed up to 235 cm/sec.
- Built-in encoder.
- 3- Years Parts and Labour Limited Warranty.



The **PM-300** Reel-to-Reel Printer Mechanism from LABELMATE. At speeds up to 235cm/sec, you can conveniently and economically print or overprint labels using your preferred inkjet head. With full status indicators and control features, the PM-300 is an ideal table top platform for OEM applications that use an ink-jet or laser head. When not used as a printer, the PM-300 can be used as a reel-to-reel Counter – Rewinder.

The built-in encoder has a resolution of 0,041mm.

The PM-300-LS will print a 28cm diameter roll (425 meters) of labels in less than 7 minutes; the PM-300-HS will print the same roll in less than 5 minutes. The model choice is dictated by the performance of the printhead being used.

The **PM-300-U**, with the same features as the PM-300, uses an ultrasonic detector that allows the printer to work on any type of labels, including transparent or dark labels. It detects the difference in thickness between the backing paper and the backing paper plus label.

KEY FEATURES:

- **ENC:** Built-in encoder with resolution of 0,041 mm. Output: Square waves: 0 - 15V.
- **Maximum roll diameter:** 300mm.
- **Max. roll weight:** 6 Kg.
- **Label width:** up to 125 mm.
- **Speeds:**
LS-Version: Max. 150cm/sec. For a roll of 28cm diameter and a core of 76mm. Reached at the end of the roll. E.g.: 7 min. for a roll of 28cm diameter with a 76mm core at full speed. Average speed: 100cm/sec.

HS-Version: Max. 235cm/sec. For a roll of 28cm diameter and a core of 76mm. Reached at the end of the roll. E.g.: 4,5 min. for a roll of 28cm diameter with a 76mm core at full speed. Average speed: 150cm/sec.

The speed specifications apply for a machine used in normal office room temperatures.

- Rugged construction.
- Secured DB-9 Print Head Connector.
- Adjustable Label Guide.
- Label sensor: Open collector output.

Designed for all-day, every-day use, the PM-300 Reel-to-Reel Printer Mechanism is backed by LABELMATE's famous 3-Year Parts and Labour Limited Warranty, assuring you trouble-free performance (1-year on power supply).



P/N	MODEL	DESCRIPTION	LABEL WIDTH (mm)	ROLL DIAM. (mm)	MAX. SPEED* (cm/sec)
LMP003	PM-300-LS	Reel-to-Reel Label printer mechanism. Low speed model. Size: W x D x H: 800 x 380 x 330 mm.	125	300	150
LMP004	PM-300-HS	Reel-to-Reel Label printer mechanism. High speed model. Size: W x D x H: 800 x 380 x 330 mm.	125	300	235

LMP007	PM-300-U-LS	Reel-to-Reel Label printer mechanism. Low speed model. For all types of labels Size: W x D x H: 800 x 380 x 330 mm.	125	300	150
LMP008	PM-300-U-HS	Reel-to-Reel Label printer mechanism. High speed model. For all types of Label Size: W x D x H: 800 x 380 x 330 mm.	125	300	235

* Specified with a 76mm take-up roll diameter. Reached at the end of the roll (OD: 300mm)
Average speed LS : 100cm/s Average speed HS : 150cm/s

PRINTER MECHANISMS OPTIONS

P/N	MODEL	DESCRIPTION
LMX474	PC-2	Optional 6-digit pre-set counter.
LMX475	PC-3	Dual function preset counter. Allows to counts labels or show instantaneous web speed.
LMX476	HSA™-BC	Mounting bracket and cable for HSATM printhead.
LMX477	WEB-BC	Mounting bracket and cable for Markoprint (Weber)™ X1-Jet print head

Shipping Weight: Approx. 20 Kg.

Power: 220/240-vac 50-Hz. 120-vac 60-Hz power supply is also available.

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