



REWIND CONTROLS:

The torque and direction of the rewind shaft are adjustable by the controls on top of the machine.

Torque potentiometer: allows to adjust the rewind tension. DO NOT APPLY EXCESSIVE TORQUE. If the rewind unit gets noisy, it is most probably due to excessive rewind torque.

Direction Switch: allows to change the direction of the rewind shaft for wind-in or wind-out functions.

Switched/Continuous Switch: allows to choose the rewind mode depending on the application. When in continuous, the rewinder will not stop with the front control panel commands. In switched mode, the rewinding motor will be dependent on the Start/Stop button from the front control panel and the optional pre-set counter.

It is recommended to tension the web before pressing the START button.

WARRANTY:

See attached Warranty information.



WARNING!

**This Product is for indoor use only.
Not for use in wet locations.**

MAINTENANCE:

Your PM-300-CS requires no preventive maintenance but the rollers and capstan should be cleaned regularly.

IMPORTANT INFORMATION:

- This product is a reel-to-reel mechanism (with optional counter). It is only to be used to print (rewind/unwind) labels to of the recommended dimensions and weight in an indoor, dry environment.
- The machine has to be unplugged before any manipulation.
- The machine is to be used on a flat surface.
- Do not leave the power cable in a passageway.
- The ambient light of the working area needs to be sufficient to avoid any risk.
- The PM-300-CS can be used in ambient temperatures of +2°C to 40°C.
- Connection of the machine to the power source must respect local and European legislations.

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LABELMATE PM-300-CS

Reel-to-Reel “Constant Speed” System



PM-300-CS with optional PC-3 dual-function counter and Encoder.

The PM-300-CS has a nominal maximum speed of 61cm/sec. The speed is adjustable on the front panel.

Optional counters can be fit to the system:

- The PC-2 is a pre-set label counter that allows stopping the machine after a pre-set number of labels.
- The PC-3 has the same counter and pre-set possibilities as the PC-2 but can also be programmed to indicate the speed at which the web is moving. A separate sheet describes the programming details for this counter.

Optional encoder: Resolution 2048 DPI.

SPECIFICATIONS:

Max. Label Roll Weight: 6Kg.
Max. Label Roll Size: 300mm diameter
Speed: Adjustable from 0 to max. 40 cm/sec or 61cm/sec.
Accuracy: +/- 5%.
The speed specification applies for a machine used in normal office room temperatures.
Take-up reel: The take-up torque is adjustable and it is possible to select wind-in or wind-out
Power Supply: 230V – 50-60 Hz. AC Input. 150 watts. (110V optional)

SET-UP:

1. Connect the unit to a 230V mains using the supplied power cord. The ON/OFF switch is located near the power inlet. The machine is protected by a fast-blow fuse of 3.15A and a spare fuse is provided in the fuse holder.
2. The speed of the machine is set at maximum, when shipped.
3. The machine is fitted with 2 photo-switches positioned left and right from the speed control roller. The left-side photo-switch is used for the “out of paper” function. The right-side photo-switch detects the labels and is used by the internal counter; the signal is also available on the interface connector.

FRONT CONTROL PANEL:



POWER (GREEN): Indicates power is applied to the unit. The ON-OFF Power Switch is on the rear of the Unit.

ERROR / STOP (RED): Indicates that either the unit is in STOP mode or one of the three Error Conditions has occurred:

1. The unit is Out Of Paper.
2. The counter has reached the Pre-Set Value.
3. There is a Print Head Error condition. e.g.: No more ink (condition valid only if the Print Head supplies this signal).

INK LOW (RED): Indicates that the Print Head has sent an Ink-Low Signal.

GAP (YELLOW): Flashes when Unit is running, indicating proper detection of the Gap between successive Labels.

START BUTTON (WHITE): Start printing, if no Error Condition is present.

STOP BUTTON (RED): Holding down this button will stop the machine when the next gap passes in front of the photocell.

SPEED CONTROL: Varies the speed from zero to maximum.



LEFT SIDE CONTROL PANEL:

TEST: Green LED

ADJUST: Potentiometer.

RESET: Only if optional counter is fitted. The new left-side control panel has three items. The toggle switch (reset) is a momentary closing switch that has the same function as the reset button on the counter, but is more convenient for the operator.

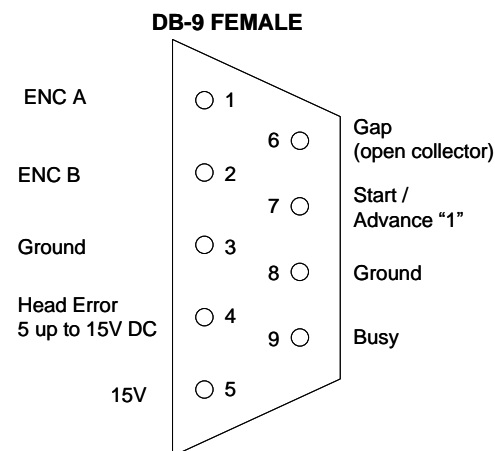
ADJUSTING THE LABEL DETECTOR PHOTOCELL (RIGHT PHTOCELL):

The label detector photocell has been adjusted at the factory (potentiometer fully CCW) and requires no adjustment for a large variety of labels. However, some specific labels (very transparent or relatively opaque backing paper) might require adjustment of the photocell.

Load a roll of labels on the machine, and position the backing paper in front of the photocell. Make sure that the labels are tensioned when doing the test. The LED should light on. If not, rotate the potentiometer till LED goes on “green”. Now put a label in front of the photocell, the LED should turn off.

CONTROLS & HEAD CONNECTOR ON FRONT OF THE UNIT:

Signals: ENC A and ENC B: Square wave 0 – 15V.



Linear encoder resolution: 40 or 80 microns (depending on model).

Gap: Open collector (15V).

Start: Pulse 12V to 15V (The pulse length should be shorter than the time it takes to advance one label).

Busy: Output: 15V when motor is running. 0V when stopped.