

Section 3: Label Stock

A. LABEL AND ROLL SPECIFICATIONS

Important Notes Regarding Label Stock

- The LP130 can only be used with label stock manufactured or approved by Primera. All sizes must be custom ordered. This printer requires a custom plastic hub with an integrated data chip.
- Both smoke and smokeless label types are available. Smoke labels require the use of an optional filtration system and the replacement of exhaust ducting. (See Section 5 and 6A.)
- Every label core contains a data chip which records the type of label stock, the required laser power, the required sensor type and the number of labels on the roll. When the label stock is inserted in the printer, the laser power and sensor type are automatically set. If the stock requires a DF-30 filtration system, the printer will attempt to detect if the DF-30 is connected via the 9-pin serial port. If the filtration unit is not connected, the printer will not print.
- Various under layer and top layer colors are available to produce different colored text, graphics and barcodes.

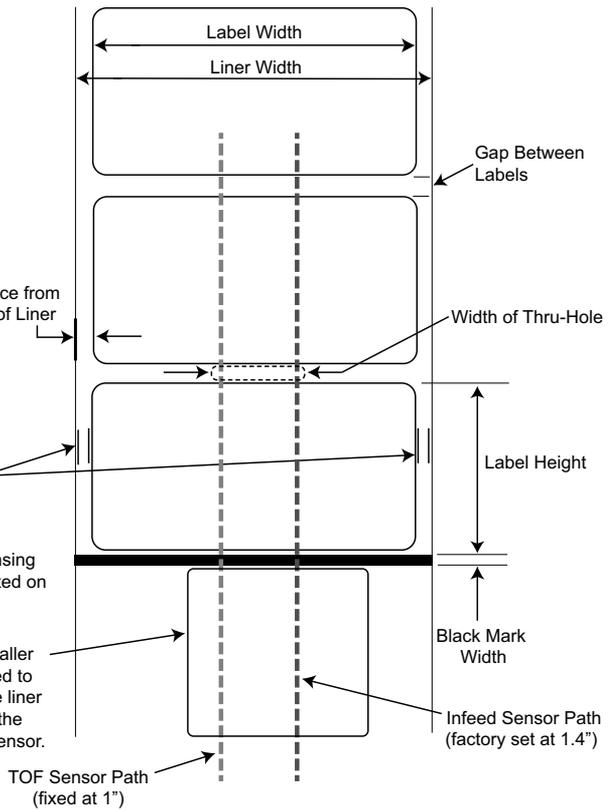
Label Sensing Methods

Method 1: Label Gap Sensing

Method 2: Thru-Hole Sensing

Method 3: Reflective Sensing
(Black mark must be printed on back side of label stock.)

Label widths smaller than 1.5" will need to be justified on the liner to trigger both the infeed and TOF sensor.



Note: See table on next page for Max and Min values in inches and mm.

| | Max | Min |
|--|--|-----------------|
| Label Width | 5.0" (127 mm) | 0.75" (19 mm) |
| Liner Width | 5." (127 mm) | 1.5" (38.1 mm) |
| Label Height/Length | 12" (305 mm) | 0.75" (19 mm) |
| Core Width | 5.125" (130 mm) | 5.125" (130 mm) |
| Gap between labels | 10" (253 mm) | 0.1" (2.5 mm) |
| Width of Thru-Hole | 2" (50.8 mm) | 0.6" (15.2 mm) |
| Distance from Edge of Liner to Edge of Thru-Hole | 0.9" (22.9 mm) | 0.5" (12.7 mm) |
| Reflective Sensing/Black Mark Width* | N/A | 0.1" (2.5 mm) |
| Max Outer Diameter (OD) | 6.0" (152.4 mm) | N/A |
| Inner Core Diameter (ID) | 3.0" (76.2 mm) | 3.0" (76.2 mm) |
| Total Thickness (Liner + Label)** | 0.0075" (7.5 mil) | N/A |
| Distance from Edge of Media to Edge of Label | Printer driver assumes .063" (1.6 mm) gap. However, this is adjustable via the Left Margin Offset setting. | |

* The black mark should be opaque to infrared light. The mark should be between the labels. The end of the mark should correspond with the beginning of the label.

**There are two factors that determine whether the printer will accept any particular stock thickness.

1. The ability for the printer to pull the paper through the print area.
2. The ability for the sensor to read through the liner if the sensor is set to die-cut.

If you are printing in continuous or reflective label sensing mode, Number 2 does not apply. The fact that the printer must read through the backing in die-cut mode will limit the thickness much more than the printer's ability to pull the paper through the print area. However, if you adjust the opacity level of the liner enough to allow the label to be seen by the stock sensor, the thickness will only be limited by the printer's ability to pull it through the print area. For these reasons the weight or thickness of the liner is a variable that cannot easily be recommended.