

RING 4012PIM SPECIFICATIONS

PRINT METHOD

- Thermal Transfer/Direct Thermal
- Harmonic (History Control Print head)

DOT RESOLUTION

- 300 DPI / 11.8 Dot per mm

PRINT SPEED

- 1" - 6"/sec. (15 mm – 152 mm/sec.)

PRINT WIDTH

- 4.25" / 108 mm

PRINT LENGTH

- 27.5" / 700 mm

MEMORY

- 8MB SDRAM
- 4MB Flash

MEDIA TYPE

- Die cut labels
- Butt cut labels tags
- Tag stock
- Roll stock (continuous s/o die cuts)
- Fan Fold

MEDIA WIDTH

- 4.5"/116 mm

MEDIA THICKNESS

- .0025" to .0100" / .0635 mm to .254 mm

SUPPLY ROLL CAPACITY

- 8" /203 mm maximum diameter

RIBBON ROLL CAPACITY

- 2.95" / 75 mm maximum diameter

CABINET

- All steel cabinet

LCD DISPLAY

- 2 lines by 8 characters (Alpha / Numeric)
- Back Light

SENSORS

- Ribbon sensor (Reflective method)
- Label sensor (Transmit method)
- Media Home position sensor (Transmit-Auto calibration method)

ERROR INDICATORS

- Label / Ribbon empty
- Head open
- Communication
- Grammatical
- Parameter (Each error is notified by buzzer and LCD)

BAR CODE

- Code 39, Code 93, Code 128, NW7, 2 of 5 (Industrial, Matrix and interleaved), EAN-JAN 13/8, UPC-A/E, EAN128 QR Code, PDF417, Data Matrix, Maxi Code, RSS

FONTS-CHARACTER SIZE IN DOTS

- 8 Character Sets (Alpha/Numeric and symbols) 8*8, 12*12, 16*16, 16*24, 24*24, 24*26, 32*40, 48*60 Expansion is 1-10 and 16 times (Both directions)
- 5-OCRB Character Sets (4 Numeric and 1 Alpha/Numeric) Numeric – 16*18, 24*27, 32*36 and 40*45 Alpha/Numeric – 32*32 NOTE : Should Not Expand Scalable Smooth Fonts 32-720 Dot width 32-720 Dot length Italic Slant Programmable 10, 15 and 20 degrees. NOTE : 8-31 Dots printing is available but must be matched properly with speed and media
- Down loadable font

PRINTING MODES & FUNCTIONS

- Peel off, Tear off (demand type) with label back feed for top of label printing.
- Batch printing (strip-for continuous printing of labels. Can be used with optional External Rewinder)
- Butt cut label printing (Requires optional back side mark sensor)

PROGRAMMING LANGUAGE FEATURES

- Advanced Label marking Language-ALL
- ALL commands are all ASCII characters. This allows flexibility with many environments and platforms
- Easy to program and format printing areas
- Pixel programming allows expanded area of up to 4 times
- Four direction print rotation (0, 90, 180 & 270 degrees)
- Reverse print and area fill in
- Mirror print
- Half Tones
- Lines, dotted lines, angle lines and boxes
- Bit image data transfer and printing
- Down loadable graphics, text, font and formats to optional memory card
- Character Set (Code page)table
- Serializing (Numeric)
- Communication and print functions
- RLE data compression
- Graphic supported AIM, AIX, BMP, PCX (Monochrome only)

ADJUSTABLE PRINT FUNCTIONS SELECTABLE THROUGH FRONT PANEL OR BY SOFTWARE

- Print Speed / Energy Settings
- Print Density
- Label Print Position
- Cutting Position
- Thermal Transfer / Direct Thermal
- Test Printing
- Ready / Pause

COMMUNICATION INTERFACE-SELECTABLE THROUGH FRONT PANEL OR BY SOFTWARE

- Parallel / USB (User Select)
- RS-232 / to 115,200 baud rate Line Control-RS-CS, XON-XOFF, ER-DR Stop Bits Parity Data length

POWER SOURCE

- Multiple Power Supply Industrial Standard 115 volts +-10% AC 50/60 HZ 240 volts +-10% AC 50/60 HZ Built to UL/CSA safety standard and FCC emissions standards.

ENVIRONMENTAL

- Operating temperature 41 to 104 Fahrenheit / 5 to 40 Centigrade
- Relative humidity below 85% Non-condensing
- Ventilation : Air Movement
- Dust : Non-Conducting, Non-Corrosive

OPTIONS

- Cutter(guillotine)
- Cutter(non stop rotary)
- External Label Stocker
- 8MB Flash memory
- LAN Interface 100 Base –TX/10Base-T (TCP/IP Protocol)

SOFTWARE

- Bartender Ultra Lite Plus
- Windows Drivers

DIMENSIONS

- 8.9"W*11.8"H*10.25"D 225mmW*300mmH*260mmD

WEIGHT

- 20 lb / 9 kg

THE ABOVE IS FOR INFORMATION ONLY.

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