

THERMAL/THERMAL TRANSFER BAR CODE PRINTER

RING 4012PLM⁺



LOW COST INDUSTRIAL PRINTER

- HIGH PERFORMANCE, RELIABLE, AND DURABLE
- RIDGED STEEL CABINET
- 300DPI, 152MM/SEC
- SMALL FOOTPRINT – 225MM(W) X 260MM(D)
- 203MM O.D. SUPPLY ROLL CAPACITY
- 32BIT RISC CPU
- PEEL OFF MODUL COMES STANDARD
- BARTENDER ULTRA LITE PLUS
- VARIOUS OPTION

RING 4012PLM+ 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" / 106.0 mm

PRINT LENGTH

- 27.5" / 700 mm

MEMORY

- 8MB SDRAM

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.
- Back 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
- 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)
- Verifier
- External Label Stocker
- 8MB Flash memory
- USB Interface
- 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.

Autonics Company limited reserves the right to change specifications without notice.

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