



Industrial Group

Industrial Label printer

Model: 4012 PMH



High Performance, Reliable and Durable

Ridged still and Heavy Duty Cabinet

300 dpi and 8 inch/Sec Printer

High speed 32 Bit Processor

16 MB SD Ram and 4 MB Flash Memory

Peel off mode & Roll Re-Winder as standard

Free Label making Software

Various options



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PRINT METHOD	*Thermal Transfer/Direct Thermal *Harmonic(History Control Print Head)
DOT RESOLUTION	300 dpi/ 11.8 dot per mm
PRINT SPEED	1" - 8"/sec.(15mm - 200mm/sec.)
PRINT WIDTH	4.25"/108mm
PRINT LENGTH	51"/1300mm
MEMORY	*16MB SDRAM *4MB Flash memory(Up to 16MB as option)
MEDIA TYPE	*Die cut labels *Butt cut Labels tags *Tag stock *Roll stock(Continuous s/o die cuts) *Fan Fold
MEDIA WIDTH	*4.5"/116mm
MEDIA THICKNESS	*0.0025" to 0.01"/0.0635mm to 0.254mm
SUPPLY ROLL CAPACITY	*8"/210mm maximum diameter(6"/150mm max for Re-winder)
RIBBON ROLL CAPACITY	*3"/78mm 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	*Code39, Code93, Code128, 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)8x8, 12x12, 16x16, 16x24, 24x24, 24x26, 32x40, 48x60 Expansion is 1-10 and 16 times (Both directions) *5-OCRB character sets(4 Numeric and 1 Alpha/Numeric) Numeric-16x18, 24x27, 32x36 and 40x45 Alpha/Numeric-32x32 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 (Stipe - for continuous printing of labels. Can be used with



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	<p>optional External Re-winder) *Butt cut label printing(Requires optional back side mark sensor)</p>
PROGRAMMING LANGUAGE FEATURES	<p>*Advanced Label marking language-ALL *ALL command 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 *Downloadable 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)</p>
ADJUSTABLE PRINT FUNCTIONS SELECTABLE THROUGH FRONT PANEL OR BY SOFTWARE	<p>*Print Speed/Energy Settings *Print Density *Label Print Position *Cutting Position *Thermal Transfer/Direct Thermal *Test Printing *Ready/Pause</p>
COMMUNICATION INTERFACE-SELECTABLE THROUGH FRONT PANELL OR BY SOFTWARE	<p>*Parallel/USB(User select) *RS232/to 115,200 baud rate, Line Control-RS-CS, XON-XOFF, ER-DR, Stop Bits, Parity, Data length</p>
POWER SOURECE	<p>Multiple Power supply, Industrial standard, 115 volts +/-10% AC50/60 HZ, 240 volts +/-10% AC 50/60 HZ, Built to UL/CSA safety standard and FCC emissions standards.</p>
ENVIRONMENTAL	<p>*Operating temperature 41 to 104 Fahrenheit /5 to 40 Centigrade *Relative humidity below 85% Non-condensing *Ventilation : Air Movement *Dust: Non-Conducting, Non-Corrosive</p>
OPTIONS	<p>*Cutter(Slide type) *Cutter(Non- stop rotary type) *External Label Stocker *8MB Flash memory *LAN interface 100 Base-TX/10 Base-T(TCP/IP Protocol)</p>
SOFTWARE	<p>*Bar Tender Ultra Lite Plus *Windows Drivers</p>
DIMENSIONS	<p>*8.5"W x 12"H x 16"D(220mmW x 300mmH x 405mmD)</p>
WEIGHT	<p>*27.5lb/12.5kg</p>