



# AN AFFORDABLE RFID LABEL PRINTER!

## POWER, PRECISION, PRICE...

- ◆ H-400R Series printers use integrated UHF RFID to Read/Encode EPC and DoD Gen2 Tags.
- ◆ Receive high quality output in your choice of a 203 DPI (H-427R) or 300 DPI (H-436R) printer.
- ◆ Print in 203 or 300 DPI resolution with the same printer! Simply exchange a 203 DPI Printhead for a 300 DPI Printhead without using tools or making configuration changes.
- ◆ The H-400R Series printers have an elegant design, are extremely compact and are robust enough for commercial use.
- ◆ H-400R Series printers have durable, all-metal construction with a cast aluminum center wall and a large media window for easy viewing and monitoring of supplies.
- ◆ The standard Stripper Sensor senses printed labels in either strip-and-peel or tear-off applications.
- ◆ The H-400R Series printers are extremely versatile. No PC is necessary. Download your label formats to the printer's Flash Memory (or a Compact Flash Card), unplug the printer from the PC, plug in a standard PC keyboard, and take the printer to another location.
- ◆ H-400R Series printers are extremely easy to service and to install options and accessories on.
- ◆ A 450m (1476') ribbon capacity and a full 203mm (8") O.D. label roll capacity are suitable for large volume printing requirements.
- ◆ H-400R Series printers were designed to accept ribbon types of both ink inside and ink outside ribbons, which provides more flexibility in ribbon selection.
- ◆ USB 2.0 is standard for high-speed data transfer from your PC.
- ◆ Real-Time Clock is standard for time and date stamping of RFID tags.



FROM: ABC SUPPLY COMPANY  
1234 SOMESTREET DR  
ANYTOWN, USA 12345

CARRIER: XYZ Trucking, Inc.  
PRO NUMBER 06401A6  
B/L NUMBER 641001

TO: Tharo Systems, Inc. #4540  
2866 Nationwide Parkway  
Brunswick, OH 44212

(420) SHIP TO POSTAL CODE (420) 44212

APPOINTMENT NUMBER: 000531  
ORDER TYPE: N  
ITEM: 995523

(00) SERIAL SHIPPING CONTAINER (00) 3 2155846 000000221 9

**H-427R - \$1995**  
**H-436R - \$2095**

## PRINTER AND PRINTHEAD WARRANTY

- ◆ H-400R Series printers are warranted for 2 years .
- ◆ H-400R Series printers feature a 2 year or 2 million linear inch Printhead warranty.

**THARO Systems, Inc.**  
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# H-400R SERIES SPECIFICATIONS

MODEL	H - 427R	H - 436R
Resolution	203 dpi (8 dot/mm)	300 dpi (12 dot/mm)
Print Mode	Thermal Transfer / Direct Thermal	
CPU	32 Bit	
Memory	4MB Flash, 16MB SDRAM	
Print Speed	50.8 mm (2") ~ 177.8 mm (7")/sec	50.8 mm (2") ~ 152.4 mm (6")/sec
Print Length	5 mm (0.20") ~ 4572 mm (180")	5 mm (0.20") ~ 2159 mm (85")
Print Width	13 mm (0.51") ~ 104 mm (4.09")	13 mm (0.51") ~ 105.7 mm (4.16")
Sensor Type	Moveable transmissive sensor and reflective sensor; left aligned	
Sensor Detection	Type: Label gap and black mark sensing Detection: Label length auto sensing and/or program command setting	
Media	Label Roll: Max. 203 mm (8.0") Core Diameter: 38.1 mm (1.5") ~ 76.2 mm (3") Width: 25.4 mm (1") ~ 118.00 mm (4.64") Thickness: 0.06 mm (0.002") ~ 0.25 mm (0.009")	
Ribbon	Length: 450 m (1476 ft) Type: Ink inside or ink outside thermal transfer ribbons (wax, resin and wax/resin) in widths of 30 to 110 mm (1.18" to 4.33"). Core inner diameter 25.4 mm (1"). Maximum ribbon roll diameter 76 mm (2.99").	
Printer Language	TPL (Tharo Programming Language)	
RFID	Integrated UHF RFID Reader/Encoder for EPC and DoD Gen2 tags	
Resident Fonts	11 resident alphanumeric fonts (including OCR A & B) are expandable X8 horizontally and vertically. Scalable Font (Code Page 850 & 852)	
Downloadable Fonts	Windows Bit-map fonts, TrueType fonts and Asian fonts	
Image Handling	BMP and PCX	
Bar Codes	Code 39, Code 93, Code 128 (subsets A, B, C), UCC/EAN-128, UPC-A, UPC-E, UPC and EAN 2 or 5 digit extensions, I 2 of 5, EAN-8, EAN-13, Codabar, Postnet, DUN 14, MaxiCode, Plessey, Telepen, FIM, China Postal Code, RPS 128, PDF417, Data Matrix & QR Code	
Interfaces	RS-232 (Baud rate 4800 ~ 115200, XON/XOFF, DSR/DTR) USB (2.0) CompactFlash card slot Parallel PS/2 Keyboard Port	
Control Panel	Backlit LCD Display: 128 dot x 64 dot Graphical LCD Three single-color LEDs: Power, Ready, Error Three Control keys: Feed, Pause, Cancel	
Power	Auto Switching 110/240VAC, 50/60 Hz	
Real Time Clock	Standard	
Environment	Operation: 32° F to 104° F (0° C to 40° C) Storage: -40° F to 122° F (-20° C to 50° C)	
Humidity	Operation: 30-85%, non-condensing. Free air. Storage: 10-90%, non-condensing. Free air.	
Printer Dimensions	Length: 512 mm (20.15") Height: 291 mm (11.45") Width: 274 mm (10.78") Weight: about 15 Kg (33.1 lbs)	
Options	Internal Rewind Ethernet Adapter Applicator Interface PA2000, PA1200 or PA500w Applicator <b>EASYLABEL</b> ® 5 Platinum or Multi-User	

Specifications are subject to change without notice.

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