

# THERMALINE T5000<sup>r</sup> SR



## Thermaline Printers – Ready for RFID

WHEN YOU ARE!



The Thermaline T5000<sup>r</sup> SR thermal printers are web-enabled, industrial-grade thermal barcode printers designed to provide high quality printing performance and operate at 24/7 duty cycles in manufacturing or distribution environments. These Smart Ready printers are specifically configured for easy field upgradeability to RFID encoding. It's all part of a commitment to provide solutions that keep pace with RFID adoption and provide a migration path to new EPC standards. RFID upgrade kits provide asset protection by allowing companies to purchase the thermal printers they need today without worrying how they will fit into future RFID plans.



### ADVANTAGES

- Choice of two different upgrade kits for RFID encoding which have everything needed to upgrade to either Multi-protocol or EPC Class 1.
- Aluminum die-case design dampens vibration and maintains precise printer alignment
- Unique dual-motor driven ribbon system eliminates clutch replacement and greatly reduces the risk of ribbon wrinkle for superior print quality
- Cantilever head mechanism design makes it easy to side-load, clean and maintain
- Exclusive snap-in print head reduces service calls by allowing operator to easily change print heads and change from 203DPI to 300DPI printing without firmware or software changes
- Ventless system operates in environments with airborne particulate matter without compromising performance
- Wireless/Ethernet option provides real-time data access and local printing flexibility

**PRINTRONIX**  
GLOBAL PRINTING...ENABLED.

**PSION TEKLOGIX**  
information in motion



# THERMALINE T5000<sup>r</sup> SR Smart Ready Printer

## Specifications

### SL5000<sup>r</sup> UPGRADE KITS

- SL5000<sup>r</sup> MP  
Multi-protocol – AWID Technology  
Support for Class 0, 0+, 1  
915 MHz UHF encoder
- SL5000<sup>r</sup> CI  
Class 1 protocol - Alien Technology  
Support for Class 1, 915 MHz UHF  
encoder

### PRINTING CHARACTERISTICS

- Print Speed:  
T5204e SR: 10 IPS @ 203DPI (254mm/sec)  
T5304e SR: 8 IPS @ 300DPI (203mm/sec)
- Printing Methods: Thermal Transfer or  
Direct Thermal
- Resolution: 203/300 DPI (operator  
interchangeable)
- Printable Width: 4.1" max

### RECOMMENDED LABEL

#### CHARACTERISTICS

- RFID Inlay Labels:  
Alien 'Squiggle' Class 1 4" x 2", 4" x 4", 4" x  
6", 4" x 8"  
Alien 'M-tag' Class 1 4" x 4", 4" x 6", 4" x 8"  
Rafsec #313 'Psychedelic' Class 1 3" x 3"  
Matrics 'Dual Dipole' Class 0, 0+ 3" x 3" (via  
software upgrade)

#### RFID ENCODING MODES

- Operation Modes:  
Write/Verify/Print – writes RFID data to tag  
and verifies contents are written correctly,  
while also printing the desired image
- Error Handling Modes:  
Overstrike – when a bad RFID tag is  
detected, overstrikes label and applies the  
data with the next label  
Stop – when a bad tag is detected, stops  
the printer to allow for user invention
- Statistics Tracking:  
Tracks number of tags written to and  
number of bad tags detected

#### RFID SOFTWARE MIGRATION TOOLS

- Migration tools allow RFID tags to be  
automatically programmed with data from  
the following barcode symbologies:  
GTIN carriers ITF-14 and UCC/EAN-128  
EPC data within a Code 39  
UPC-A, EAN-8, EAN-13  
Some restrictions may apply. Contact a  
Printronix Certified RFID Integrator for  
details.

### MEDIA HANDLING

#### CHARACTERISTICS

- Tear-Off: Individual label tear-off
- Tear-Off: Strip Label strips tear-off
- Continuous Labels: print continuously
- Peel Labels: peel from liner without  
assistance (peel mode requires rewind  
option)

#### MEDIA COMPATIBILITY

- Media Types:  
Roll or fanfold  
Die cut or continuous  
Labels, tags and tickets  
Paper, film or synthetic stock  
Thermal Transfer or Direct Thermal
- Media Width: 1.0" to 4.5" (T5204e  
SR/T5304e SR)
- Media Thickness 0.0025" to 0.010"
- Roll Core Diameter 3.0" (7.6 cm)
- Maximum Roll Diameter 8.0" (20.9 cm)

- Thermal Transfer Ribbon  
Ribbon Width Range: 1.0" to 4.33" (T5204e  
SR/T5304e SR)  
Ribbon Capacity: 625m

#### RECOMMENDED RIBBON

#### CHARACTERISTICS

- Ribbon 625m length
- 4.33" width
- Model 8500 premium wax formulation
- Model 8300 wax formulation

#### OPERATOR CONTROLS &

#### INDICATORS

- Operator Controls: Off Line-On Line, Test  
Print, Job Select, Form Feed Menu, Cancel,  
Enter
- Message Display: 32 character
- Indicators: Off Line-On Line, Menu

#### PROGRAMMING LANGUAGE

- Standard:  
PGL – Printronix Graphics Language  
ZPL™ – Zebra Programming Language

#### BARCODE SYMBOLOGIES AVAILABLE

- Code 39, Code 128 (A, B, C) Codabar,  
Interleaved 2 of 5, FIM UPC-A, UPC-E,  
UPC-EO, EAN 8, EAN 13, Code 93, Postnet,  
Postbar UCC/EAN 128, PDF 417, UPS  
Maxicode, Royal Mail, Datamatrix

### SENSING METHODS

- Transmissive, Reflective (Gap, Mark, Notch,  
Continuous Sensing Form)

### INTERFACES

- Standard  
Serial RS232  
IEEE 1284 (Centronics)
- Optional:  
Ethernet (PrintNet)  
Dual Ethernet/Wireless (802.11b)

### FONTS, GRAPHICS SUPPORT,

### WINDOWS DRIVERS

- Fonts: OCR-A, OCR-B, Courier, Letter  
Gothic, CG Triumvirate Bold Condensed
- Graphic Support: PCX and TIFF file formats
- Windows Drivers: Windows 95/98/2000/XP

### MEMORY

- DRAM: 8Mb standard (16Mb optional)
- Flash: 4Mb standard (10Mb optional)

### POWER REQUIREMENTS

- Line Input: 90–264 VAC (48–62Hz), PFC
- Power Consumption: 150 watts (typical)
- Regulatory Compliance: FCC-B, UL, Energy  
Star mode (<45 watt)

### ENVIRONMENTAL CONSIDERATIONS

- Operating Temperature: 5°C to 40°C
- Dimensions: 11.7" W x 20.5" L x 13.0" H  
(T5204e SR/T5304e SR)
- Printer/Shipping Weight: 42lbs/51lbs  
(T5204e SR/T5304e SR)

\*Specifications are subject to change without notification.

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