

Specifications

Print Speed:

TSP654: 300 mm per second, 60 RPM
TSP743: 7 in (177.8 mm) per second, 60 lines per second at 3 mm per line (180 mm/sec)

Print Width:

TSP654: 80 mm Paper: 2.83 in (80 mm) 58 mm Paper: 2.05 in (52 mm)
TSP743: Standard: 2.83 in (80 mm) Optional: 2.05 in (52 mm), 3.15 in (80 mm)

Line Spacing:

3 mm, 4 mm (1/8 in, 1/6 in)

Resolution:

203 dpi (8 dots/mm)

Number of Columns:

TSP654: 80 mm Paper: 24, 48 or Optional 64 (ESC/POS) 58 mm Paper: 17, 34 or Optional 46 (ESC/POS)
TSP743: Standard: 48, 71 (maximum)

Bar Codes:

TSP654: UPC-A/E, JAN/EAN-8/13, Code 39/93/128, Codabar (NW7), ITF
TSP743: UPC-A/E, JAN/EAN-8/13, Code 39/93/128, Codabar (NW7)

Paper Width:

Adjustable. Standard: 3.15 in (80 mm)
Optional: 2.28 in (58 mm)
TSP743 Optional: 3.25 in (82.5 mm)

Paper Thickness:

TSP654: 0.002 in to 0.003 in (0.065 mm to 0.085 mm)
TSP743: 0.003 in to 0.006 in (0.065 mm to 0.150 mm)

Roll Diameter:

3.5 in (90 mm)

Paper Roll Core:

1/2 in to 1.00 in (12 mm to 25.4 mm)

Paper Path:

TSP654: Internal roll
TSP743: Slot in rear or internal roll

Paper Loading:

"Drop-in and print" and external rear feed

Paper Sensors:

TSP654: Near end, paper out, cover open
TSP743: Near end, paper out, top of form

Printer Reliability:

60 million lines

Cutter Reliability:

TSP654: 0.5 million cuts
TSP743: 2 million cuts

Data Buffer:

8K bytes

Logo Store:

TSP654: 2 M bit
TSP743: 4 M bit

Emulation:

Star line mode, ESC/POS™ (TM-U295/TM290)

Drawer Kickout Device Function:

2 drivers

Auto Cutter:

Full and partial cut

Drivers:

Windows® 95/98/2000/NT 4.0, Windows® legacy printer, OPOS, JavaPOS™, Star Raster Graphics Mode, Linux

Operating Temperature:

41° F to 113° F (5° C to 45° C)

Humidity:

10 to 90% RH (without condensation)



TSP654



TSP743

Standard Features

- 203 DPI (8 dots/mm) print resolution
- Two-color printing (software enabled)
- Small footprint
- Easy load "drop-in and print" paper loading
- Adjustable paper width
- Logo storage utility for easy logo data
- Drawer kickout device function
- Cutter
- Easy to change "cartridge-type interface" RS-232 to parallel
- Swappable communication interface

TSP743

- Label printing

Specifications (cont.)

Overall Dimensions:

TSP654 (W x H x D): 5.59 x 5.16 x 7.83 in (142 x 131 x 199 mm)
TSP743 (W x H x D): 5.79 x 5.83 x 8.39 in (147 x 148 x 213 mm)

Approvals:

UL and C-UL listed, FCC, TUV

Warranty:

Three-year limited warranty on parts
One-year limited warranty on print head and cutter

APPROVALS



Star® TSP654II/TSP743 II

Direct Thermal Printers

Part Number/Price

| Part # | Description | Est. Weight | Price |
|--------|--|-------------|---------|
| 69910 | TSP654II direct thermal, RS-232 with power supply, 115/230 VAC, wall mount bracket | 7 lb | Consult |
| 69907 | *TSP743II direct thermal transfer, RS-232 with power supply, 115/230 VAC | 8 lb | Consult |
| 69908 | *TSP743II direct thermal transfer, RS-232 only, 24 VDC | 8 lb | Consult |
| 85929 | *TSP743II direct thermal, parallel without power supply | 8 lb | Consult |

* If using for labels with black mark, request printer to be configured by Rice Lake Weighing Systems

Options/Accessories

| Part # | Description | Price |
|---------------|---|---------|
| TSP654 | | |
| 69903 | Power supply, PS-60-24A | Consult |
| 69917 | One-ply thermal, (W) 3.125 in (75.44 mm, 2.97 in dia.) 7/16 core 230 ft | Consult |
| 107041 | MaxStick receipt paper for TSP654 3 1/8 wide 150 ft long adhesive strip | Consult |
| 72309 | Power supply, 12 VDC with vehicle cigarette lighter | Consult |
| 71355 | Parallel cartridge option | Consult |
| TSP743 | | |
| 69919 | Wall mount bracket | Consult |
| 70598 | Label, DTL, (W x L x D) 3 x 1 x 4 in, with black line timing mark 1,600 labels/roll | Consult |
| 70597 | Label, DTL, (W x L x D) 3 x 2 x 4 in, with black line timing mark 900 labels/roll | Consult |
| 72471 | Star programmer's CD | Consult |
| Cables | | |
| 15547 | Blunt end, 25-pin D-sub male RS-232 serial interface cable, (Rice Lake indicators) | Consult |
| 15568 | 25-pin D-sub male to 25-pin D-sub male RS-232 serial interface cable | Consult |
| 72440 | 25-pin to nine-pin D-sub female cable | Consult |