

# Star® TSP654II/TSP743 II

Direct Thermal Printers

**Solo Basculas**  
SOLUCIONES DE PESO



TSP654



TSP743

## Approvals



## 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" from RS-232 (DB-25F) to parallel

## TSP743

- Label printing

## 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)

## Logo Store:

TSP654: 2 M bit  
TSP743: 4 M bit

## Paper Thickness:

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

## Roll Diameter:

3.5 in (90 mm)

## Paper Roll Core:

0.50 to 1.00 in (12 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 MCBF (CRT)

## Cutter Reliability:

TSP654: 0.5 million cuts  
TSP743: 2 million cuts

## Data Buffer:

8K bytes

## Interface:

RS-232 serial DB-25F

## 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 (with out condensation)

## Overall Dimensions:

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

## Approvals:

UL and cULus listed, FCC, TUV

## Warranty:

Parts: three-year limited  
Print head: one-year limited

## Part Number/Price

Part #	Description	Est. Weight	Price
69910	TSP654II direct thermal, RS-232 with power supply, 115/230 VAC, wall mount bracket	8 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
<b>TSP654</b>		
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
<b>TSP743</b>		
69919	Wall mount bracket	Consult
70598	Label, DTL, (W × L × D) 3 × 1 × 4 in, with black line timing mark 1,600 labels/roll	Consult
70597	Label, DTL, (W × L × D) 3 × 2 × 4 in, with black line timing mark 900 labels/roll	Consult
<b>Cables</b>		
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