



## TE310 Desktop Thermal Transfer Bar Code Printer, 300 dpi, 5 ips

TSC TE200 Series of 4" wide desktop-class thermal label printers were designed and built to deliver best in-class performance at a price other printers simply can't match. The TE200's modular thermal transfer print mechanism protected by an outer ABS shell is designed to withstand tough environments. These affordable, hardworking printers will print high quality labels all day long, producing thousands of clear, crisp barcode and identification labels per day

The two available models include the TE200 which offers the industry standard 8 dots per mm (203 dpi) print resolution at an industry best 6 inches per second, and the 12 dots per mm (300 dpi) TE300 for use with printing small fonts, barcodes, or graphics. The TE200 Series offer customers a great combination of price and performance, that features a fast 400 Mhz processor, 16 MB of DRAM and 8 MB of Flash storage memory, so you never have to wait for your labels to start printing. Innovations include energy saving Energy Star 2.0 rating matched with an easy to load print mechanism. The printer will take both 1/2" core 72 meter to 110 meter, or 1" core 300-meter thermal transfer ribbons allowing customer to use whichever supply of ribbons they have available. The TE210 offers multiple printer language emulations right out of the box, and a powerful scalable font engine which makes it easy to replace nearly any existing label printers.



TSC printers have the Thermal Smart Control technology, a patented electronic print head temperature control. Print output is sharper because of that technology and, what's even more important, printhead life is several times longer.

### Key Features of TSC TE200/TE210/TE300/TE310:

- 152.4 mm (6") per second print speed
- 300 meter (984") ribbon supply on a 25.4 mm (1") core (coated outside)
- 72 to 110 meter (361") ribbon supply on a 12.7 mm (0.5") core (coated outside)
- 127 mm (5") OD internal media supply, optional external media holder supports 214 mm (8.4") OD label rolls on 76.2 mm (3") core
- Print mechanism for kiosk applications
- Internally scalable true type fonts
- TSPL-EZ™ firmware emulates TPLE and TPLZ languages out of the box
- Free Windows® drivers and label design software (available via download)
- ENERGY STAR® qualified
- Smart Thermal Control technology significantly extends printhead life and ensures sharper print output

Video: Loading the media  
YOUTUBE='QwZD6MK4Ncs'

Unboxing:  
YOUTUBE='km1nkCGHg6g'



# Technical Description

Functionality & Operation	
Print resolution	300dpi
Print speed	5ips
Communication interface	Ethernet, USB, RS232, USB Host
1D Barcode Symbolologies	All standard one-dimension barcodes
2D Code Symbolologies	GS1 DataBar Composite Code, Data Matrix, MaxiCode, Aztec, PDF417, QR code, MicroPDF417
Fonts	8 alpha-numeric bitmap fonts, Monotype Image® true type font engine with one CG Triumvirate Bold Condensed scalable font
CPU Type	32-bit RISC
Memory	16MB DRAM , 8 MB Flash
Fonts & barcode rotation	0°, 90°, 180°, 270°
Commands set	TSPL-EZ TM (Compatible to EPL, ZPL, ZPL II) or CPCL emulation
Print mode	thermal-transfer, direct thermal
Maximal print width	108mm
Maximal print length	2974mm
Optical	
Sensors	ribbon end sensor, open print-head detector, transmissive, reflective
Electrical	
Power Source	External adapter
Mechanical	
Body housing	ABS plastic
Weight	2.4kg
Dimensions	Width: 204mm, Height: 164mm Length: 280mm
Color	black
Consumables	
Max. ribbon length	300m
Media type	continuous, black-marked media, fan-fold, notch, perforated
Minimal label length	10mm - 2794 mm
Minimal paper width	20mm
Media thickness	0.06 to 0.19mm
Media core diameter	25.4 to 38mm
Maximal paper width	112mm
Ribbon width	40 to 110mm
Maximal roll diameter	127mm
Environment	
Operating temperature	5 to 40°C
Operating humidity (non-condensing)	25 to 85%
Storage temperature	-40 to 60°C
Storage humidity (non-condensing)	10 to 90%

## Others

Warranty	2 years (printer), 25000 m or 12 months (print head), 50000 m or 12 months (printing cylinder), approved material CODEWARE
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Certifications	FCC Class A, CE Class A, C-Tick Class A, UL, cUL, TÜV/Safety, CCC, RoHS, REACH, WEEE
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