

# TSC

The Smarter Choice.



## **TE310 SERIES** – Desktop Thermal Transfer Bar Code Printer **SUPERIOR, FAST, AFFORDABLE PERFORMANCE, FEATURING LEGENDARY TSC DURABILITY**

### KEY FEATURES

- 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
- 400 MHz 32-bit RISC processor with 16 MB SDRAM, 8 MB Flash memory for TE200/TE300, and 64 MB SDRAM, 128 MB Flash memory for TE210/TE310
- Internally scalable true type fonts
- TSPL-EZD firmware emulates TPLE, TPLZ, and TPLD languages out of the box
- Free Windows® drivers and label design software (available via download)
- ENERGY STAR® qualified

### APPLICATIONS

- **Manufacturing & Warehousing**
  - Work in Progress
  - Item Labels
  - Instruction Labels
  - Agency Labels
- **Healthcare**
  - Patient Identification
  - Pharmacy
  - Specimen Identification
- **Parcel Post**
  - Shipping Labels
  - Receiving Labels
- **Small Office/Home Office**
  - Shipping Labels
  - File folder labels
  - Product identification
- **Retail Marking**
  - Price Tags
  - Shelf Labels
  - Jewelry Tags



## TE200 SERIES – Desktop Thermal Transfer Bar Code Printer

| PRINTER MODEL                | TE200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | TE300                        | TE210                                                                                                                                                                                                                                                                      | TE310                          |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Resolution                   | 8 dots/mm (203 DPI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 12 dots/mm (300 DPI)         | 8 dots/mm (203 DPI)                                                                                                                                                                                                                                                        | 12 dots/mm (300 DPI)           |
| Printing method              | Thermal Transfer & Direct Thermal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              |                                                                                                                                                                                                                                                                            |                                |
| Max. print speed             | 152.4 mm (6")/second                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 127 mm (5")/second           | 152.4 mm (6")/second                                                                                                                                                                                                                                                       | 127 mm (5")/second             |
| Max. print width             | 108 mm (4.25")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 105.7 mm (4.16")             | 108 mm (4.25")                                                                                                                                                                                                                                                             | 105.7 mm (4.16")               |
| Max. print length            | 2,794 mm (110")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1,016 mm (40")               | 25,400 mm (1000")                                                                                                                                                                                                                                                          | 11,430 mm (450")               |
| Enclosure                    | ABS plastic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              |                                                                                                                                                                                                                                                                            |                                |
| Physical dimension           | 204 mm (W) x 164 mm (H) x 280 mm (D)<br>8.03" (W) x 6.46" (H) x 11.02" (D)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                              |                                                                                                                                                                                                                                                                            |                                |
| Weight                       | 2.4 kg (5.29 lbs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              | 2.5 kg (5.51 lbs)                                                                                                                                                                                                                                                          |                                |
| Label roll capacity          | 127 mm (5") OD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                              |                                                                                                                                                                                                                                                                            |                                |
| Ribbon                       | 300 m long, max. OD 67 mm, 1" core (ink coated outside)<br>110 m long, max. OD 40 mm, 0.5" core (ink coated outside)                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                              |                                                                                                                                                                                                                                                                            |                                |
| Ribbon width                 | 40 mm ~ 110 mm (1.6" ~ 4.3")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |                                                                                                                                                                                                                                                                            |                                |
| Processor                    | 32-bit RISC CPU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                              |                                                                                                                                                                                                                                                                            |                                |
| Memory                       | <ul style="list-style-type: none"><li>• 8 MB Flash memory</li><li>• 16 MB SDRAM</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              | <ul style="list-style-type: none"><li>• 128 MB Flash memory</li><li>• 64 MB SDRAM</li></ul>                                                                                                                                                                                |                                |
| Interface                    | <ul style="list-style-type: none"><li>• USB 2.0</li><li>• Internal Bluetooth 4.0 (factory option)</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              | <ul style="list-style-type: none"><li>• USB 2.0</li><li>• Internal Ethernet, 10/100 Mbps</li><li>• RS232</li><li>• USB host, for scanner or PC keyboard</li><li>• Internal Bluetooth 4.0 (factory option)</li><li>• External Bluetooth (user option)</li></ul>             |                                |
| Power                        | External universal switching power supply <ul style="list-style-type: none"><li>• Input: AC 100-240V, 2.5A, 50-60Hz</li><li>• Output: DC 24V, 2.5A, 60W</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                    |                              |                                                                                                                                                                                                                                                                            |                                |
| Operation switch, button LED | 1 power switch, 1 feed and pause button & 1 LED (3 colors: green, amber & red)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                              |                                                                                                                                                                                                                                                                            |                                |
| Sensors                      | <ul style="list-style-type: none"><li>• Transmissive gap sensor</li><li>• Black mark reflective sensor (position adjustable)</li><li>• Ribbon end sensor</li><li>• Head open sensor</li></ul>                                                                                                                                                                                                                                                                                                                                                                        |                              |                                                                                                                                                                                                                                                                            |                                |
| Real Time Clock              | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                              | Standard                                                                                                                                                                                                                                                                   |                                |
| Buzzer                       | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                              | Standard                                                                                                                                                                                                                                                                   |                                |
| Internal fonts               | <ul style="list-style-type: none"><li>• 8 alpha-numeric bitmap fonts</li><li>• Monotype Image® true type font engine with one CG Triumvirate Bold Condensed scalable font</li></ul>                                                                                                                                                                                                                                                                                                                                                                                  |                              |                                                                                                                                                                                                                                                                            |                                |
| Bar code                     | <ul style="list-style-type: none"><li>• 1D bar code<br/>Code 128UCC, Code 128 subsets A, B, C, EAN128, Interleaved 2 of 5, Interleaved 2 of 5 with check digit, Code 39, Code 39 with check digit, Code 93, EAN13, EAN8, UPCA, UPCE, EAN and UPC 2 (5) digits add-on, Codabar, Postnet, MSI, MSI with check digit, PLESSEY, China post, ITF14, Code 11, TELEPEN, TELEPENN, PLANET, Code49, Deutsche Post Identcode, Deutsche Post Leitcode, LOGMARS</li><li>• 2D bar code<br/>GS1 DataBar, GS1 DataMatrix, Maxicode, AZTEC, PDF417, QR Code, Micro PDF 417</li></ul> |                              |                                                                                                                                                                                                                                                                            |                                |
| Font and barcode rotation    | 0, 90, 180, 270 degree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |                                                                                                                                                                                                                                                                            |                                |
| Printer language             | TSPL-EZD (Compatible to EPL, ZPL, ZPL II, DPL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                              |                                                                                                                                                                                                                                                                            |                                |
| Media type                   | Continuous, die-cut, black mark, fan-fold, notched (outside wound)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                              |                                                                                                                                                                                                                                                                            |                                |
| Media width                  | 20 ~ 112 mm (0.8" ~ 4.4")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                                                                                                                                                                                                                                                                            |                                |
| Media thickness              | 0.06 ~ 0.19 mm (2.36 ~ 7.48 mil)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                              |                                                                                                                                                                                                                                                                            |                                |
| Media core diameter          | 25.4 ~ 38 mm (1" ~ 1.5")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                              |                                                                                                                                                                                                                                                                            |                                |
| Label length                 | 5 ~ 2,794 mm<br>(0.2" ~ 110")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5 ~ 1,016 mm<br>(0.2" ~ 40") | 5 ~ 25,400 mm<br>(0.2" ~ 1000")                                                                                                                                                                                                                                            | 5 ~ 11,430 mm<br>(0.2" ~ 450") |
| Environment condition        | Operation: 5 ~ 40°C, 25 ~ 85% non-condensing<br>Storage: -40 ~ 60°C, 10 ~ 90% non-condensing                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |                                                                                                                                                                                                                                                                            |                                |
| Safety regulation            | FCC Class A, CE Class A, C-Tick Class A, UL, cUL, TUV/safety, CCC, EAC, CoC, BIS, KC, Energy Star®                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                              | FCC Class B, CE Class B, C-Tick Class B, UL, cUL, TUV/safety, CCC, EAC, CoC, BIS, KC, Energy Star®                                                                                                                                                                         |                                |
| Environmental concern        | Comply with RoHS, REACH, WEEE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |                                                                                                                                                                                                                                                                            |                                |
| Accessories                  | <ul style="list-style-type: none"><li>• Windows labeling software CD disk</li><li>• Quick start guide</li><li>• USB cable</li><li>• Power cord</li><li>• External universal switching power supply</li><li>• 1" label spindle, fixing tab x 2, 1.5" adapter x 2</li><li>• 1" ribbon spindle x 2 for 300M ribbon</li><li>• 1" ribbon paper core</li></ul>                                                                                                                                                                                                             |                              |                                                                                                                                                                                                                                                                            |                                |
| Limited warranty             | <ul style="list-style-type: none"><li>• Printer: 2 years</li><li>• Print head: 25 km (1 million inches) or 12 months which comes first</li><li>• Platen: 50 km (2 million inches) or 12 months which comes first</li></ul>                                                                                                                                                                                                                                                                                                                                           |                              |                                                                                                                                                                                                                                                                            |                                |
| Factory options              | • Internal Bluetooth 4.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                              |                                                                                                                                                                                                                                                                            |                                |
| Dealer options               | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                              | <ul style="list-style-type: none"><li>• Peel-off module</li><li>• Guillotine cutter (full cut and partial cut)</li></ul>                                                                                                                                                   |                                |
| User options                 | <ul style="list-style-type: none"><li>• External roll mount, media OD. 214 mm (8.4") with 76.2 mm (3") core</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                |                              | <ul style="list-style-type: none"><li>• External roll mount, media OD. 214 mm (8.4") with 76.2 mm (3") core</li><li>• External Bluetooth module (serial interface)</li><li>• KP-200 Plus keyboard display unit</li><li>• KU-007 Plus programmable smart keyboard</li></ul> |                                |



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