

TX-110/120 SERIES BALANCE PRINTER

- Support almost all brand balances / scales
 - Compliance with GLP/FDA/GMP certification
 - Built-in clock, rights management
 - Support other laboratory instruments
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TX-180 SERIES BALANCE PRINTER

- Audit trail, data storage, authority management
 - “Minimum weigh” management
 - Custom report style, variable input
 - Rich weighing applications: statistics, formulation, etc.
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**Dot Matrix / Thermal Printer
for Laboratory balances, scales and moisture analyzers**



- **High-value**

Beautiful, powerful and high reliability

- **Fully Compatible**

RJ45/RS232/USB interface for connection to virtually all balances/scales and other laboratory instruments.

- **Complete Keypad**

Convenient and fast input, support barcode scanner.

- **Large Display**

Information is readily available and supports multiple languages.

- **Audit Trail**

Record experiment results, user login, operation behavior/events, meet strict quality management requirements.

- **Dot matrix / Thermal selectable Incubator**



Technical Specification



Model	TX-180	TX-181	TX-182	TX-183
Printing Method	Impact dot matrix	Impact dot matrix	Impact dot matrix	Thermal
Paper	Normal	Normal	Normal	Thermal Paper Label Paper
Display	128x64	256x64	256x64	256x64
Build-in clock	●	●	●	●
Digital/Character Key		●	●	●
Name, Lot No., ID...	●	●	●	●
Barcode printing				●
Barcode scanner support		●	●	●
Data export			●	●
GLP compatible	●	●	●	●
Tare/G/N mode	●	●	●	●
Statistical	●	●	●	●
Formulation		●	●	●
Curve printing		●	●	●
“Minimum weight”		●	●	
Authority management	2 level	2 level	3 level	2 level
Audit trail			●	

FDA/GMP Certification Production Quality Management

TX-110/120 SERIES BALANCE PRINTER Support Various Types of Balances/Scales

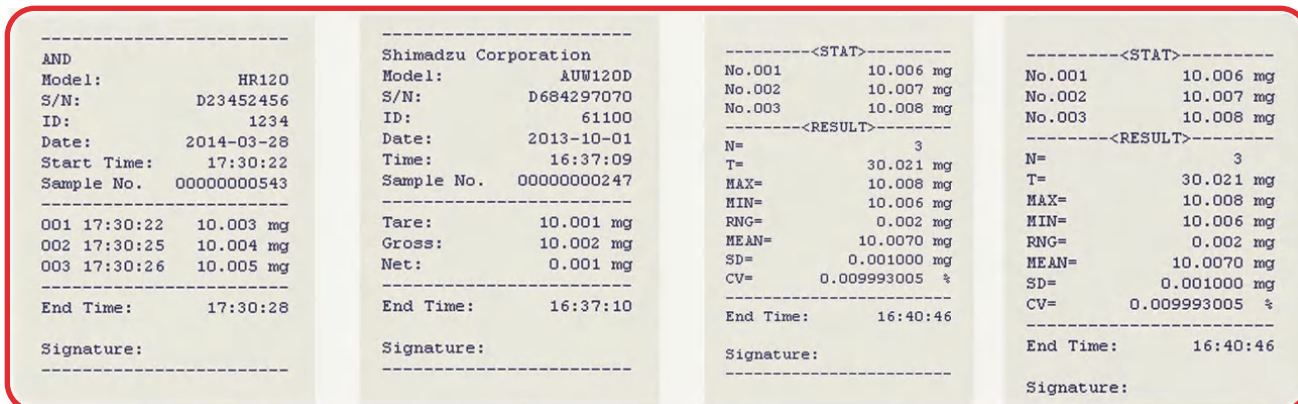


The Tx-100/120 Series balance printer, which has a streamlined appearance and an outstanding cost-effective, completely meets the quality requirements of the chemical and pharmaceutical industry and GLP, GMP standard certification. From the most basic printing needs, to the wealth of applications, the TX-110/120 series balance printer provides users with a flexible choice.

Support List: SHIMADZU, SARTORIUS, METTLER, AND, ADAM, OHAUS, SHINKO...ect.

- High-speed dot printing, printed pages are suitable for long-term preservation, ISO/GLP compliant Data Printout.
- 128x64 OLED display.
- Built in realtime clock.
- Support weighing, statistical, sum, mean and formulation function.
- Editable title and tail.
- Sample name and batch number can be inputted and printed.
- Data export: all data from balance can be exported to U-Disk in excel or txt file.
- Periodic printing.
- Barcode Scanner Support.

Printing Example

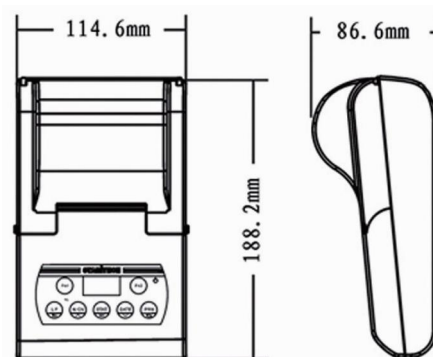


Model	TX-110	TX-120
128x64 OLED	●	●
Date & Time (built-in clock)	●	●
Direct Mode	●	●
Weighing Mode	●	●
Statistical Mode	●	●
Sum Mode	●	●
Mean Mode		
Formulation Mode	●	●
Sample Name & ID input	●	●
Authority Management	●	●
Periodic Printing	●	●
Data Export (use U-Disk)		●
Data Curve Print		●
Optional External Keypad		●
Barcode Scanner Support		●

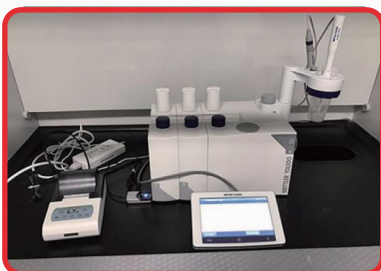
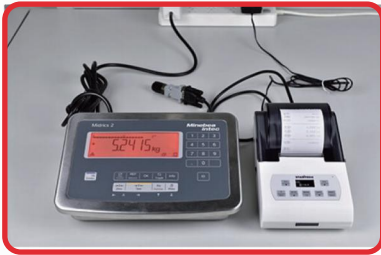
Specification

- Printing method: Impact dot
- Inking: Ink ribbon (EPSON ERC-22 or ERC-09)
- Printing format: 24 digits / line (5 × 7 dot matrix)
- Character size: 1.7mm (W) × 2.6mm (H) ASCII
- Paper: Regular paper 57.5mm width, 50mm in diameter
- Printer mechanism durability: 1.5 million lines
- Operation temperature range: 0-50°C
- Input voltage: DC 12V (1.5A)
- Interface: RS-232C
- Gross weight (with packaging): 500g approx.

Physical dimensions:

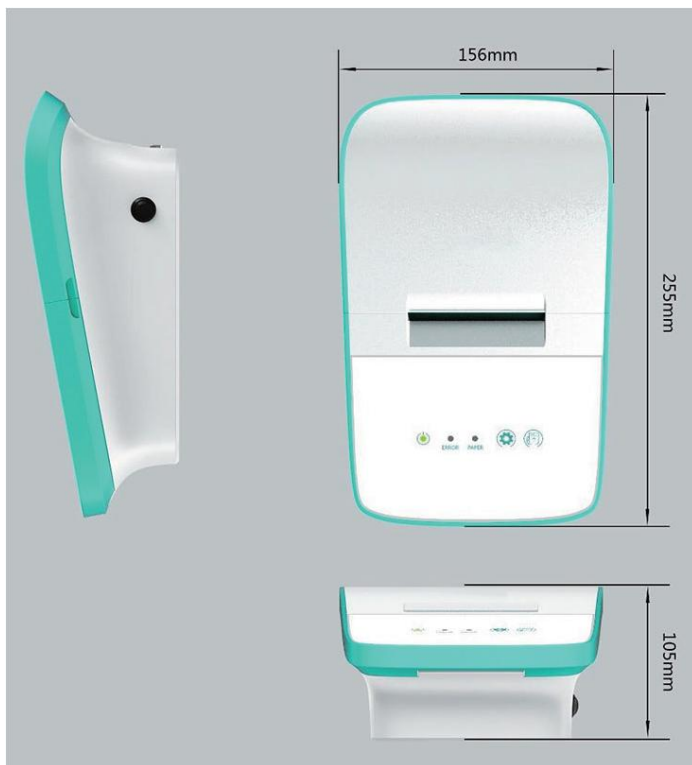


Application Cases



TX-900 LABORATORY PRINTER

- Firmware upgradable
 - Paper-end detect
 - Long-term availability
 - Use ink ribbon & normal paper for long-term durability
 - Low consumables cost
 - Compatible Satorius YDP-30 printer
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Technical Specification

Model	TX-900
Printing Method	Impact dot matrix
Printer Mechanism	CITIZEN DP330
Printing Paper	76mm (width) x 60mm (diameter)
Number of Dots	448
Ink Ribbon	Citizen IR31B or EPSON ERC-43B
Copy Ability	1 original + 2 copies
Communication Port	1 x RS232 port
	D-sub, 9pin, male, full duplex
	1 x USB port
	USB2.0 full speed, device, printer class
	1 x Ethernet port (Optional)
	RJ45, 100Mbps
Power Supply	24V/1.5A
Printer Regulations	CE, UKCA
Operating Temperature	1 original + 2 copies
Relative Humidity	10%~80%