

# Electronic Balance Instruction Manual

## TW series

TW223L • TW323L • TW423L  
TWC323L • TWC623L

## TX series

TX223L • TX323L • TX423L  
TX2202L • TX3202L • TX4202L  
TXC323L • TXC623L

## TXB series

TXB222L • TXB422L • TXB622L • TXB621L  
TXB2201L • TXB4201L • TXB6201L • TXB6200L

Read the instruction manual thoroughly before you use the product. Keep this instruction manual for future reference.

 **SHIMADZU CORPORATION**  
KYOTO JAPAN

ANALYTICAL & MEASURING INSTRUMENTS DIVISION

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BEFORE  
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FOR YOUR  
INFORMATION

# Specifications

## TW/TX Series

Model Name	TWC323L TXC323L	TWC623L TXC623L	TW223L TX223L	TW323L TX323L	TW423L TX423L	TX2202L	TX3202L	TX4202L
Weighing capacity	320 ct (64 g)	620 ct (124 g)	220 g	320 g	420 g	2200 g	3200 g	4200 g
Minimum indication	0.001 ct (0.0002 g)	0.001 ct (0.0002 g)	0.001 g	0.001 g	0.001 g	0.01 g	0.01 g	0.01 g
Range of external weights for calibration	10 - 64 g	10 - 124 g	100 - 220 g	100 - 320 g	100 - 420 g	1000 - 2200 g	1000 - 3200 g	1000 - 4200 g
Repeatability (standard deviation)	≤ 0.0002 g		≤ 0.001 g			≤ 0.01 g		
Linearity	± 0.0004 g		± 0.002 g			± 0.02 g		
Response time *1	3.0 seconds		2.5 seconds					
Ambient temperature	5 - 40 °C							
Temperature coefficient for sensitivity (10 - 30 °C)	± 3 ppm/°C							
Pan size (mm)	Approx. φ80		Approx. φ110			Approx. 167 (W) × 181 (D) *2		
Main body dimensions (mm)	Approx. 206 (W) × 291 (D) × 241 (H)					Approx. 200 (W) × 291 (D) × 80 (H)		
Main body weight	TWC: approx. 4.1 kg TXC: approx. 3.8 kg		TW: approx. 4.2 kg TX: approx. 3.8 kg			TW: approx. 3.2 kg TX: approx. 2.8 kg		
Display	LCD with backlight							
Power requirements	AC adaptor (Output 12 V, 1 A)							
I/O terminal	RS-232C, DATA I/O							

\*1 The response time is a representative value.

\*2 The size of the pan is the dimension of the face on which the sample (thing being weighed) is placed. The dimension expresses the flat face size of the pan. Since the pan has a tapered shape, its outer dimension is a little larger.