

Printers for Shimadzu Balances

# EP-110/EP-100

Enhanced  
Support for  
ISO/GLP



## EP-110

- ✓ OLED Dot Matrix Display
- ✓ Protect Date Setting by Password
- ✓ Various Modes Expand Utility

## EP-100

- ✓ Built-In Clock
- ✓ Affordably Priced

### Features

#### 1 Built-In Clock

Enables printing time and date information even with a balance that doesn't have a clock function.

#### 2 Enhanced Support for ISO/GLP

EP-100 can output time/signature information. In addition to this information, EP-110 can output other information based on your demands together with measured values. See a sample on the next page for details.

#### 3 OLED Dot Matrix Display (EP-110 only)

Offers easy-to-read, brightly illuminated OLED display.

[Display Examples]

```
AT [X] SP. [X]
DIRECT
2014-12-04 18:56
```

```
AT [X] 000 SP. [X]
STAT. MODE
2014-12-04 18:56
```

```
AT [X] 000 SP. [X]
MEAN MODE
2014-12-04 18:57
```

```
WEIGHING
Statistic SUM
Mean FFLT
PipetteCalibrate
```

#### 4 Automatically Set

Automatically sets the appropriate communication with a balance. An operator doesn't have to worry about its setting.

## Printout Samples

### ● Normal Mode

```

Shimadzu Corporation
Model:      A UW220
S/N:       D23452456
ID:        2014-08-13
Date:      22:23:51
Start Time:
Sample No. 00000000560

-----
No.001    10.000 mg
No.002    10.001 mg
No.003    10.002 mg
-----
End Time:  22:23:58

Signature:
    
```

\*Operator can choose items to print out.

### ● Statistical Calculation Mode

```

Shimadzu Corporation
Model:      A UW220
S/N:       D23452456
ID:        2014-08-13
Date:      22:26:24
Start Time:
Sample No. 00000000562

-----
<STAT>
No.001    10.006 mg
No.002    10.007 mg
No.003    10.008 mg
-----
<RESULT>
Number of Samples  N=      3
Total              T=    30.021 mg
Maximum Value     MAX=    10.008 mg
Minimum Value     MIN=    10.006 mg
Range             RNG=     0.002 mg
Mean Value        MEAN=   10.0070 mg
Standard Deviation SD=     0.001000 mg
Coefficient of Variation CV=  0.009993005 %

-----
End Time:  22:26:55

Signature:
    
```

EP-110 Provides further applications

- Pipette calibration  
Calibrate capacity of pipette and flask
- User-defined calculation  
Operator can set coefficients (handy for converting result to local unit)
- Tare/Net/Gross weight printing  
Print out Tare/Net/Gross weight separately
- SUM mode  
Print out the total values of samples
- Averaging mode  
Print out the average of samples
- Formulation mode  
Print out each sample's weight independently when blending samples
- Comparator mode  
Print out result whether weight of sample is within target range
- Interval printing mode  
Print out current weight at a regular interval

## Specifications

### ● Compatible Balance Models:

AU, AT, UW/UX, TW/TX, TXB, BW-K/BX-K, ELB, AW/AX/AY series, MOC63u

Model	EP-100	EP-110
Display	—	<b>OLED 128 × 64 Dot Matrix Display</b>
Protected Date Setting	—	Prevents unintended changes of time and date setting.
Printing	Method : 8-pin reciprocating impact dot matrix Speed : Approx. 1.7 lines/sec. Printer head life : 1 million lines Character size : Approx. W1.7 mm × H2.6 mm	
Interface	RS-232 DB9	
Power Supply	AC adapter : Input 100 to 240 V AC, 50/60 Hz; Output 12 V DC /1500 mA Power consumption : 8 W (while printing) Standby power : 0.5 W (when not printing)	
Installation Environment	Temperature 5 to 45 °C, humidity 10 to 80 % No condensation	

## Maintenance Parts

Item Name	Specifications
Recording Paper (10 rolls)	W57 × dia. 50 mm, Standard paper
Labeling Paper (10 rolls)	W57 × dia. 50 mm, Labeling paper
Ink Ribbon (5 pcs)	Black print (ERC-22, long-life type)
AC Adapter	12 V/1.5 A
Connection Cable	DB9 Female - DIN8-262 Male, 1.2 m in length



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