

# DIGI DS-781/782 USER'S GUIDE

## 1. TECHNICAL DETAIL

### 1.1 Work Condition:

#### DS781:

- \* Power Source : 4 x C size dry battery  
AC/DC Adapter(DC 5V~ 8V, 100mA).
- \* Operating Temperature: -10°C ~ +40°C.
- \* Operating Humidity : 15 ~ 85% RH.
- \* Power Consumption : 0.24W when DC 6V.,  
: 0.12W when using dry battery.

#### DS782:

- \* Power : AC 240/230/220V, 117/100V.  
: DC6V 5Ah rechargeable battery(optional.)
- \* Operating Temperature : -10°C ~ +40°C.
- \* Operating Humidity : 15 ~ 85% RH.
- \* Power Consumption : 18W when using AC power.  
: 1.2W when using rechargeable battery.

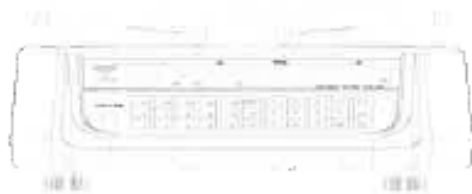
### 1.2. layout Dimension

- \* Platter size : 300 x 225 mm.
- \* Overall size : 335.7(W) x 349.7(D) x 123.5(H)  
: 335.7(W) x 380(D) x 384(H)




### 1.3. Main Technical Parameter:

- \* Capacity/Division: 3kg/1g, 6kg/2g, 15kg/5g, 30kg/10g, 3/6kg 1/2g, 6/15kg 2/5g, 15/30kg 5/10g.
- \* Tare Range : 3kg -1.499kg, 6kg -2.998kg, 15kg -7.495kg, 30kg -14.99kg, 3/6kg -2.999kg, 6/15kg -5.998kg, 15/30kg -9.995kg.
- \* Resolution : 1 / 3000F.S., Apply to the Scale Requirement OIML grade(III)

## 2. Display & KEYBOARD PANEL



## 3. Indicators

- \*  : On when zero point is adjusted and weight is stable.
- \* NET : On when tare subtraction is performed.
- \* FIX : On when tare or PLU/unit price is fixed.
- \*  : when battery is weak and needs to charge,
- \*  : blink when charging.

## 4. Key Functions



: ON/OFF key. Turns the power ON or OFF.



: MODE SET key. Switch into following modes: Program Mode, Grand Total Check Mode.



: RE-ZERO key. Resets weight display to zero.

T

: TARE key. Set or clears tare value.

C

: CLEAR key. Clears numerical values.

0 to 9

: Numeric keys. Input numerical value.

CODE

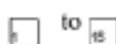
: CODE key. Enter PLU code.

FIX

: FIX key. To fix tare weight or PLU/unit price.

\*

: Data Setting key. Set up or clear mode.



: Preset keys. Set up or call either unit price.

EURO

: Currency Conversion

UNIT

: kg, decimal lb and kati conversion

100g/kg

: Price Base Change

## 5. Level Adjustment

- a) Place scale on firm and flat base.
- b) Level the scale by turning adjusting legs until air bubble is at the center of the level indicator.



NOT LEVEL



LEVEL

## 6. OPERATION GUIDE

### 6.1. ON/OFF

OPERATION	PT	kg	\$/kg	S	1 - ZERO 2 - NET 3 - FIX 4 - MEMORY				REMARKS
					1	2	3	4	
[ON/OFF]	8.8.8.8	8.8.8.8.8	8.8.8.8.8	8.8.8.8.8.8					Display for 1 seconds. *Note1 Blank for 1 seconds.
	8.8.8.8	8.8.8.8.8	8.8.8.8.8	8.8.8.8.8.8					Display for 1 seconds. Blank for 1 seconds.
	8.8.8.8	8.8.8.8.8	8.8.8.8.8	8.8.8.8.8.8					
Ready to operate	0.0.0.0	0.0.0.0	0.0.0	0.0.0	▼				Weighing mode.
[ON/OFF]									OFF.

Note1: Power On Segment Check Style can be selected by setting SPEC20.2. In this example assume SPEC20.2 = 0.

### 6.2. User Specification Setting

OPERATION	PT	kg	\$/kg	S	1 - ZERO 2 - NET 3 - FIX 4 - MEMORY				REMARKS
					1	2	3	4	
[RE-ZERO]	8.8.8.8	8.8.8.8.8	8.8.8.8.8	8.8.8.8.8.8					Enter 1 4 1 while depressing RE-ZERO.
[RE-ZERO] + [1] [4] [1]		XXXX	XXXX	SPEC00					+ key only increase Specification.
[+]		XXXX	XXXX	SPEC01					- key only decrease Specification.
[-]		XXXX	XXXX	SPEC00					
[8]		XXXX	0008	SPEC00					(00 ~ 19 is enabled)
[X]		XXXX	XXXX	SPEC08					Goes to a designed Specification count.
[0] [1] [0] [1]		XXXX	0101	SPEC08					Only 1 & 0 are valid Specification data.
[*]		XXXX	XXXX	SPEC09					* key to update Specification, increase Specification count.
[1] [1] [0] [0]		XXXX	1100	SPEC09					
[C]		XXXX	0000	SPEC09					Clears entered data.
[-]		0101	0101	SPEC08					SPEC08 has been updated.
[T]	0.0.0.0	0.0.0.0	0.0.0	0.0.0	▼				Store SPECS to Memory & escape to Weighing mode.

### 6.3. Tare Subtraction

OPERATION	PT	kg	\$/kg	S	1 - ZERO 2 - NET 3 - FIX 4 - MEMORY				REMARKS
					1	2	3	4	
	0.0.0.0	0.0.3.0	0.0.0	0.0.0					Put tare (e.g. 30g) on platter.
[T]	0.0.3.0	0.0.0.0	0.0.0	0.0.0		▼			Subtract the tare weight.
Remove the tare weight	0.0.3.0	-0.0.3.0	0.0.0	0.0.0	▼	▼			
[T]	0.0.0.0	0.0.0.0	0.0.0	0.0.0	▼				Clear the tare weight.

### 6.4. Digital Tare Subtraction

OPERATION	PT	kg	\$/kg	S	1 - ZERO 2 - NET 3 - FIX 4 - MEMORY				REMARKS
					1	2	3	4	
[5]	0.0.0.0	0.0.0.0	0.0.5	0.0.0	▼				Key in the tare weight (e.g. 5g).
[T]	0.0.0.5	-0.0.0.5	0.0.0	0.0.0	▼	▼			Subtract the tare weight (Assume 5kg).
[T]	0.0.0.0	0.0.0.0	0.0.0	0.0.0	▼				Clear the tare weight.

### 6.5. Multiplication Operation

OPERATION	PT	kg	\$/kg	S	1 - ZERO 2 - NET 3 - FIX 4 - MEMORY				REMARKS
					1	2	3	4	
[1] [2] [3] [4]	0.0.0.0	0.0.0.0	1.2.3.4	0.0.0	▼				Enter unit price.
Put product on platter	0.0.0.0	0.4.1.2	1.2.3.4	5.0.8					
[+]		tOTAL	1	5.0.8			▼		Accumulation the data.
[5] [0] [0]	0.0.0.0	0.0.0.0	5.0.0	0.0.0	▼		▼		Enter unit price.
[x]		PCS 0	5.0.0	0.0.0			▼		Depress multiply key.
[2] [0]		PCS 20	5.0.0	10.0.0			▼		multiply the data by 20.
[+]		tOTAL	2.1	10.5.0.8			▼		Accumulation the data.
[*]	0.0.0.0	0.0.0.0	0.0.0	0.0.0	▼				Clear current total & return to weighing mode.

## 7. kg and lb conversion by UNIT Key (Available when SPEC37.10 = 01)

OPERATION	PT	kg	\$/kg	\$	1 - ZERO 2 - NET 3 - \$/kg 4 - \$/lb				REMARKS
					1	2	3	4	
Put product on platter	0.000	0.500	0.00	0.00				▼	Weight in kg.
[2] [0] [0]	0.000	0.500	2.00	1.00				▼	Key in unit price in \$/kg.
Remove product, [C]	0.000	0.000	0.00	0.00	▼			▼	
[UNIT]	0.000	0.000	0.00	0.00				▼	Change to lb.
Put product on platter	0.000	1.100	0.00	0.00				▼	Weight in lb.
[3] [0] [0]	0.000	1.100	3.00	3.30				▼	Key in unit price in \$/lb.
[UNIT]	0.000	0.500	0.00	0.00				▼	Change to kg.
Remove product	0.000	0.000	0.00	0.00	▼			▼	

## 8. Currency Conversion by EURO Key (Available when SPEC37.2 = 0)

OPERATION	PT	kg	\$/kg	\$	1 - ZERO 2 - NET 3 - FIX 4 - MEMORY				REMARKS
					1	2	3	4	
Put product on platter	0.000	0.500	0.00	0.00					
[6] [6] [0]	0.000	0.500	6.60	3.30					Key in unit price.
[EURO]			EURO	1.50					Display re-calculated total price in secondary currency. Assume SPEC34.32 = 10, conversion rate is 2.20.
[EURO]	0.000	0.500	6.60	3.30					Return to Weighing Mode.

## 9. Operations of Mode Set Key

### 9.1. Mode Change Using Mode Set Key. ([M] is the "mode" key in the keyboard)

OPERATION	PT	kg	\$/kg	\$	1 - ZERO 2 - NET 3 - FIX 4 - MEMORY				REMARKS
					1	2	3	4	
2kg on the platter	0.000	2.000	0.00	0.00					Weighing mode.
[M] [M]		PLU	0	Code					Depress [M] key twice within 3 seconds, enter PLU setting mode.
[M]		PSEt							Preset key setting mode.
[M]	0.000	2.000	0.00	0.00					Return to Weighing mode.

### 9.2. PLU Setting

OPERATION	PT	kg	\$/kg	\$	1 - ZERO 2 - NET 3 - FIX 4 - MEMORY				REMARKS
					1	2	3	4	
	0.000	2.000	0.00	0.00					Weighing mode.
[M] [M]		PLU	0	Code					PLU setting mode.
[1] [0]		PLU	1.0	Code					Enter plu code. *Note1
[*]		PLU	0.00	UP					Display current unit price in PLU.
[1] [5] [0]		PLU	1.50	UP					Enter unit price.
[*]		PLU	0.000	tArE					Display current tare in PLU. *Note2
[1] [0] [0]		PLU	0.100	tArE					Enter tare. *Note2
[*]		PLU	0	Code					Store PLU.
[M] [M]	0.000	2.000	0.00	0.00					Return to Weighing mode.
[1] [0] [CODE]	0.100	1.900	1.50	2.85			▼		Call up PLU.
[C]	0.000	2.000	0.00	0.00					Clear PLU.

Note1: Valid code number is 1 - 99.

Note2: When PLU tare is allowed by SPEC28.2 = 0.

## 10. Preset Key Setting

### 10.1. Preset Key Setting when PLU function is allowed.

(When SPEC36.0 = 0)

OPERATION	PT	kg	\$/kg	\$	1 - ZERO 2 - NET 3 - FIX 4 - MEMORY				REMARKS
					1	2	3	4	
	0.000	2.000	0.00	0.00					Weighing mode.
[M] [M]		PLU	0	Code					PLU setting mode.
[M]		PSET							Preset key setting mode.
[PRESET 1]		PSET	PLU 20						Display current PLU code in PRESET.
[C]		PSET	0						Clear PRESET.
[1] [0]		PSET	10						Enter PLU code.
[*]		PSET							Store PRESET.
[M]	0.000	2.000	0.00	0.00					Return to Weighing mode.
[PRESET 1]	0.100	1.900	1.50	2.85		▼			Call up PLU set in PRESET 1.
[C]	0.000	2.000	0.00	0.00					Clear PLU.

### 10.2. Preset Key Setting when PLU function is inhibited.

(When SPEC36.0 = 1)

OPERATION	PT	kg	\$/kg	\$	1 - ZERO 2 - NET 3 - FIX 4 - MEMORY				REMARKS
					1	2	3	4	
	0.000	2.000	0.00	0.00					Weighing mode.
[M] [M]		PSET	0.00						Preset key setting mode.
[1] [5] [0]		PSET	1.50						Enter unit price.
[PRESET 1]		PSET	0.00						Store unit price to PRESET1.
[T]		PSET	0.000	tARE					Change to set tare mode. *Note1
[1] [0] [0]		PSET	0.100	tARE					Enter tare. *Note1
[PRESET 2]		PSET	0.00						Store tare to PRESET2. *Note1
[M]	0.000	2.000	0.00	0.00					Return to Weighing mode.
[PRESET 2]	0.100	1.900	0.00	0.00		▼			Call up tare set in PRESET 2.
[PRESET 1]	0.100	1.900	1.50	2.85			▼		Call up unit price set in PRESET 1.
[C]	0.100	1.900	0.00	0.00				▼	Clear unit price.
Remove product from platter	0.100	-0.100	0.00	0.00		▼	▼		
[T]	0.000	0.000	0.00	0.00		▼			Clear tare.

Note1: When Preset tare is allowed by SPEC28.2 = 0.

## 11. Error Message List

Message	Remarks	Appropriate Operation
888888	When scale is not steady when power on.	Place scale on firm, flat base.
OF	When weight exceeds capacity+9d, or something is on the platter when power on.	Remove the item on the platter.
UF	When negative weight exceeds display limit.	REZERO or ON/OFF again.
Total FULL	When current Total overflow.	Clear current Total.
Error	When error occurs in maintenance mode.	Repeat operation.
ERR 01	When A/D error.	Contact dealer.
ERR 02	When data flash erase error.	Contact dealer.
ERR 03	When data flash program error.	Contact dealer.

### CERTIFICATE OF QUALITY

DS-781/782 is manufactured under the authority of TERAOKA SEIKO CO.,LTD.of Tokyo Japan and using DIGI's high standards of quality.

TERAOKA SEIKO CO.,LTD.

TERAOKA WEIGH-SYSTEM PET LTD

SHANGHAI TERAOKA ELECTRONIC CO.,LTD

PART NO. 41021508001400