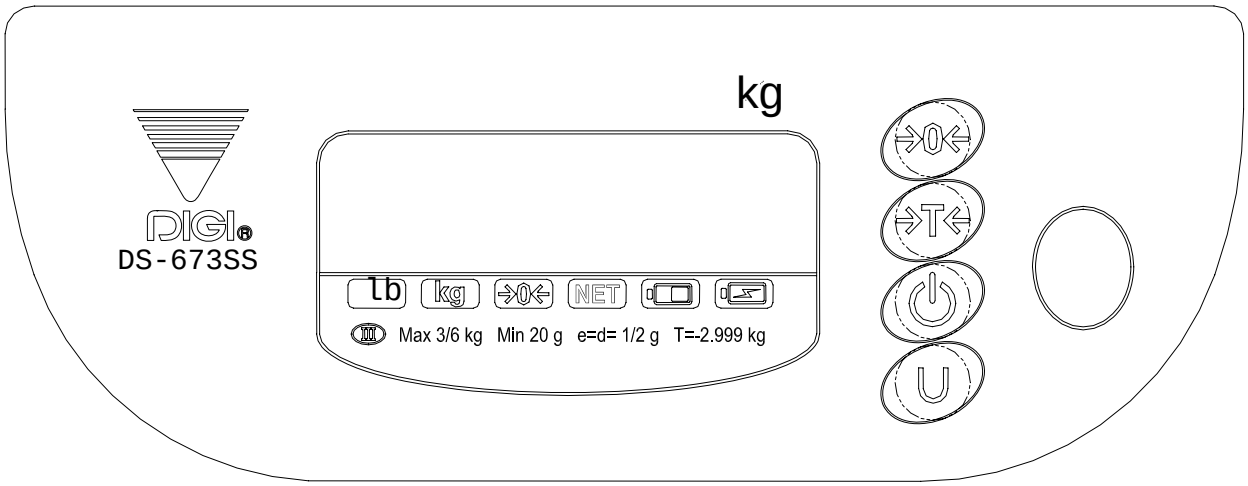
1. Display and Indicators



1.1. Display Specifications

* Weight Display : 6 digits.
* Special Display : 6 digits.
* Decimal point : Selectable by SPEC.

1.2. Indicators

* : On when battery is weak and needs to charge, blink when charging. (only for rechargeable battery type).
* : On when tare subtraction is performed.
* : On when zero point is adjusted and weight is stable.
* : On when weight display in kg (only for 4 keys version).
* : On when weight display in lb (only for 4 keys version).
* : On when Battery is charging (only for rechargeable battery type).

2. Dimensions

* Overall size : *342(W)*200(D)*400(H)mm.*

3. External Connectors

* DC jack.

4. Main Components

* Microcomputer : Renesas R5F21254(16bit, 16K ROM) / R5F21255(16 bit, 24K ROM) / R5F21256(16 bit, 32K ROM) / R5F21257(16 bit, 48K ROM).
* Display device : LED.

12. Existing parts to be used

* LED (DS-650E).
* Adaptor 12V,1.5A, ⊕—⊂—⊖

5. Key Functions

* : ON/OFF key. To turn display on or off.
* : RE-ZERO key. To resets weight display to zero.
* : TARE key. To set or clears tare value.
* : UNIT key. To changes measurement base (only for 4 keys version).

5. Operations In Weighing Mode

19.1. ON/OFF

1 - ZERO 2 - NET

OPERATION	DISPLAY	1	2	REMARKS
[ON/OFF]	8.8.8.8.8.8.			Display for 1 seconds.
				Blank for 1 seconds.
	8.8.8.8.8.8.			Display for 1 seconds.
				Blank for 1 seconds.
	8.8.8.8.8.8.			
Ready to operate	0.0 0 0	▼		Weighing mode.
[ON/OFF]				Display off.

5.2. Reset and Weighing Check

All weighing operations will be performed based on the procedure shown below. Operator should check this operation before any transactions.

1 - ZERO 2 - NET

OPERATION	DISPLAY	1	2	REMARKS
Stand-by-status	0.0 0	▼		
[REZERO]	8 8 8 8 8			Reset the zero point.
	0.0 0	▼		
Place an item on the platter. (e.g. 1.00kg)	1.0 0 0			
Remove the item from platter	0.0 0 0	▼		

5.3. Tare Subtraction

1 - ZERO 2 - NET

OPERATION	DISPLAY	1	2	REMARKS
Stand-by-status	0.0 0 0	▼		
Put tare (e.g 30 g) on platter	0.0 3 0			
[TARE]	0.0 0 0			Subtract the tare weight.
Remove the tare weight	- 0.0 3 0	▼		
[TARE]	0.0 0 0	▼		Clear the tare weight.

5.4. Automatic Shut-Off Timer Setting

1 - ZERO 2 - NET

OPERATION	DISPLAY	1	2	REMARKS
Display off				
Depress [ON/OFF]				
Keep pressing for 3s	3			
Release [ON/OFF]	8.8.8.8.8.8.			Set Automatic shut-off timer to 3 minutes.
Ready to operate	0.0 0 0	▼		Weighing mode.
[ON/OFF]				Display off.
Depress [ON/OFF]				
Keep pressing for 3s	3			
Keep pressing for 6s	1 0			
Release [ON/OFF]	8.8.8.8.8.8.			Set Automatic shut-off timer to 10 minutes.
Ready to operate	0.0 0 0	▼		Weighing mode.
[ON/OFF]				Display off.
Depress [ON/OFF]				
Keep pressing for 3s	3			
Keep pressing for 6s	1 0			
Keep pressing for 9s	9 9 9			

Release [ON/OFF]	8.8.8.8.8.8.			Set NO Automatic shut-off.
Ready to operate	0.0 0 0	▼		Weighing mode.

*NOTE : The setting data registered in the memory keeps effectiveness unless new data is established.

5.5. Display Dimmer Setting

1 - ZERO 2 - NET

OPERATION	DISPLAY	1	2	REMARKS
Stand-by-status	0.0 0 0	▼		
[RE-ZERO]	8 8 8 8 8 8			Enter [TARE] [TARE] [TARE] while depressing
[RE-ZERO] + [TARE] [TARE] [TARE]	≡≡ 1 ≡≡			[RE-ZERO]. Display current dimmer level.
[RE-ZERO]	≡≡ 2 ≡≡			
[RE-ZERO]	≡≡ 3 ≡≡			[RE-ZERO] key to increase dimmer level.
[ON/OFF]	≡≡ 2 ≡≡	▼		[ON/OFF] key to decrease dimmer level.
[TARE]	0.0 0 0	▼		[TARE] key to store setting & escape to Weighing mode.

5.6. kg and lb Conversion

(For 4 keys version only. Available when SPEC08 = 001)

1 - ZERO 2 - NET 3 - kg 4 - lb

OPERATION	DISPLAY	1	2	3	4	REMARKS
Stand-by-status	0.0 0 0	▼		▼		
Put product on platter	0.5 0 0			▼		Weight in kg.
Remove product from platter	0.0 0 0	▼		▼		
[UNIT] **note*	P O U N D				▼	Change to lb, display for 2 seconds.
	0.0 0 0	▼			▼	
Put product on platter	1.1 0 0				▼	Weight in lb.
[UNIT] **note*	M E T R I C			▼		Change to kg, display for 2 seconds.
	0.5 0 0			▼		
Remove product	0.0 0 0	▼		▼		

**NOTE: The operation can not be executed when Tare Subtraction is performed.*

5.7. Set Default Weight Unit

(For 4 keys version only. Available when SPEC08 = 001 or SPEC08 = 010)

1 - ZERO 2 - NET

OPERATION	DISPLAY	1	2	REMARKS
Stand-by-status	0.0 0 0	▼		
[RE-ZERO]	8 8 8 8 8 8			Enter [UNIT] [UNIT] [UNIT] while depressing
[RE-ZERO] + [UNIT] [UNIT] [UNIT]	M E T R I C			[RE-ZERO]. Display default weight unit setting.
[ON/OFF]	P O U N D			[ON/OFF] key to select weight unit.
[TARE]	0.0 0 0	▼		[TARE] key to store setting & escape to Weighing mode.

6. Error Massage List

The following error message will appear when an incorrect operation is performed.

Message	Remarks	Appropriate Operation
8 8 8 8 8 8	When scale is not steady when power on.	Place scale on firm, flat base.
O F	When weight exceeds capacity+9d, or something is on the platter when power on.	Remove the item on the platter.
U F	When negative weight exceeds display limit.	REZERO or ON/OFF again.
E r r o r	When error occurs in maintenance mode.	Repeat operation.
E R R 01	When A/D error.	Contact dealer.
E R R 02	When data flash erase error.	Contact dealer.
E R R 03	When data flash program error.	Contact dealer.