

1. Feature

- RS-232 and current loop communication format support.
- When disconnect communication, Auto recover for every communication speed RS-232 and current loop.
- Auto recognition every communication speed: 2400 ~ 115,200bps
- Can be connected all kind of indicators(Auto recognition of weighing data).
- 'ZERO', 'STEADY' condition lamp display.

2. Spec.



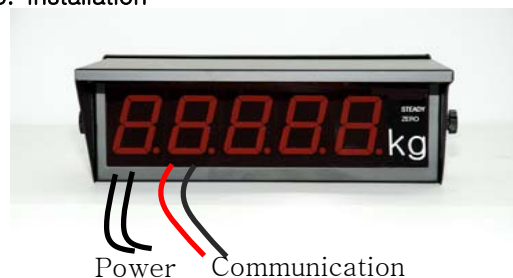
2-1. Front

- STEADY : Weight is stable, lamp 'on'.
- ZERO : Weight is zero, lamp 'on'.

2-2. Specification

Spec.	SE6145
Display unit	Red-FND 7-Segment (5 DIGITS)
Letter size	58mm(L) × 101.6mm(H) 4inch
Comm.	CURRENT LOOP, RS-232C, [RS-422,RS-485 (Option)]
Power	FREE VOLTAGE (AC95V ~ AC240V)
Dimension	545mm(L) × 180mm(H) × 175mm(W)
Weight	3.5 Kg

3. Installation



Serial Interface Cable

RS232: RXD(Red), GND(White)
 Current: RXD(Green), RXD(Black)
 Earth : Shield

Power Supply

AC95~240V, 50/60Hz

3-1. Connect AC Power

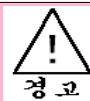
This model uses AC95V ~ AC240V(Free voltage).Please use standard power cable. It can be cause for electric damage to use non-standard cable. And make sure the connection between and terminal.



Do not connect under humidity condition or wet hand.
 It can be main reason for electric damage.

3-2. Communication cable connection

This model support, RS-232C and current loop communication method(RS-485 option)



Please remove all electric connection, before connect or disconnect communication cable.

3-2-1. Current loop connection

Current loop is stronger than RS-232, against electric noise. Use shield cable to connection and isolated from other electric cables. It is advantageous for intermediate-range transport. And so, the recommended distance is within 100M.

SE6145		SI3000~SI4000 series (SEWHACNM)	
Green RXD (Receive) Black RXD (Receive)	<----	No.8	TXD (Transmit)
		No.9	TXD (Transmit)
		FS1010 ~ FS2101 (FINE Mechatronics)	
		No.9	TXD (Transmit)
		No.11	TXD (Transmit)
		AD4321 (AND KOREA)	
	<----	No.5	TXD (Transmit)
		No.7	TXD (Transmit)

3-2-2. RS-232C communication connection

RS-232C is sensitive with electric noise. Use must shield coax cable to connection and isolated from other electric cables. It is advantageous for short-range transport. And so, the recommended distance is within 30M.

SE6145		SI3000~SI4000 series (SEWHACNM)	
Red RXD+ (Receive) White GND (Shield)	<----	No.3	TXD (Transmit)
		No.5	GND (Shield)
		FS1010 ~ FS2101 (FINE Mechatronics)	
		No.3	TXD (Transmit)
		No.7	GND (Shield)
		AD4321 (AND KOREA)	
	<----	No.3	TXD (Transmit)
		No.7	GND (Shield)
	<----	CI5010 (CAS)	
		No.2	TXD (Transmit)
	<----	No.7	GND (Shield)

3-2-3. RS-485 (Option)

RS-485 method is strong for electric noise. and a way of passing the signal to the voltage difference please use other AC power cable and other electric cables. The recommended distance is within 1.2Km.

Use must shield coax cable to connection and isolated from other AC power cables.

SE6145		SI3000~SI4000 series (SEWHACNM)	
Red RXD+ (Receive) White RXD- (Receive)	<----	SI 3000 series(No.8) SI 4000 series(No.6)	TXD+ (Transmit)
		SI 3000 series(No.9) SI 4000 series(No.7)	TXD- (Transmit)