

BSA 207RS series

Weight indicator

Manual



Ver.2014

Contents

1. Main Data	3
2. Main Features	3
3. Pannel	4
4. Connection	5
5. Operation	5
5.1. Weight mode	5
5.2. Mode selection	6
5.3. Functions	7
6. USB interface	7

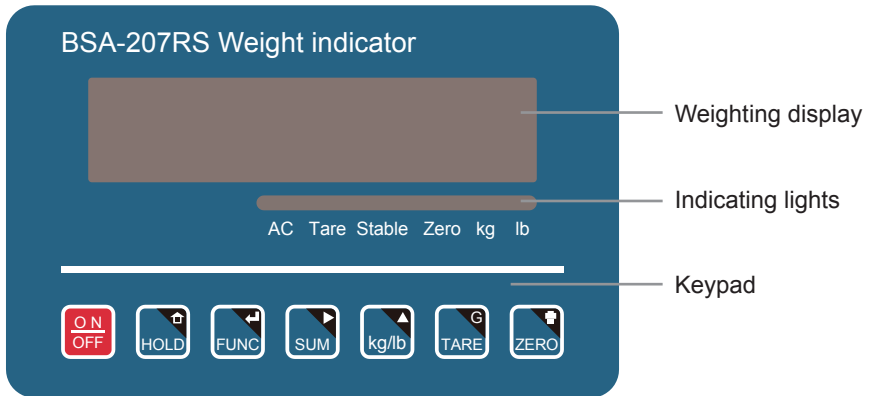
1. Main Data

- 1.1. Zero-load signal input range: 0mV ~ 16mV
- 1.2. Zero point temperature drift $\leq 0.15 \mu\text{V}/^\circ\text{C}$
- 1.3. Sensitivity temperature drift $\leq 12 \text{ ppm}/^\circ\text{C}$
- 1.4. A/D conversion rate: 5 ~ 20 HZ
- 1.5. Accuracy class: III
- 1.6. Non-linearity: $\leq 0.01\%$ F·S
- 1.7. Load cell exciting power: DC8V, driving 4 load cells of 350 Ω
- 1.8. Operation temperature: 0 ~ 40°C
- 1.9. Storage environment temperature: -25 ~ 55°C
- 1.10. Relative humidity: $\leq 90\%$ RH(no condensation)
- 1.11. Min. display value: 1 / 2 / 5 available
- 1.12. Display style: 6-digit 0.8-inch 7-segment LED
- 1.13. Baud rate: 600, 1200, 2400, 4800 and 9600
- 1.14. Power supply: AC220V(+10%~ -15%) 50Hz \pm 1HZ
- 1.15. Dimensions (L x H x W):20 \times 15 \times 4.5(cm)
- 1.16. Net weight :2.0kg
- 1.17. Structural feature

2. Main Features

- 2.1. External graduation number up to 20000e
- 2.2. Complete keyboard calibration
- 2.3. Auto zero tracking
- 2.4. Full range tare
- 2.5. Overload indicating
- 2.6. Weight and times accumulating
- 2.7. USB weight string output

3. Panel



6-digit LED digital tube

Indicating lights

Indicating light for weight unit


AC power indicating light

Indicating light for tare weight

Indicating light for steady weighing

Indicating light for zero position

Keypad

 Power on and off key

 Holding key

 Function/Set/Enter key

 Moving/Summation key

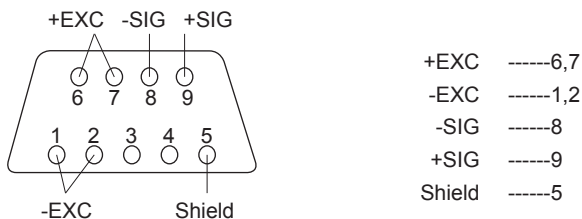
 Up/Unit key

 Tare key

 Zero key

4. Connection


DB9 for loadcell



*Note:If using 6-wire-system input mode, you must short-connect positive excitation and positive feedback and short-connect negative excitation and negative feedback,and then start working.


5. Operation

5.1 Weight mode

Press  to turn on/off the indicator



Into the weight mode after booting automatically

Press  to set Zero

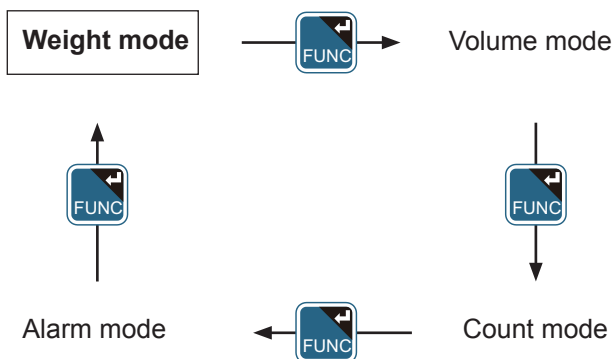
Press  to into Tare mode, tare light will be on then,

shows **【tare】** for 1 second then shows **【 1.000】** (last tare weight), then shows **【 2.250】** (Net weight).

Note


Press  to save the tare weight, then press  to back tare mode.






5.2 Mode Selection




Press to select working mode as above






5.2.1 Volume mode

Press  at Weight mode showing **【L. x.xxx】**, "L" is Litre, "x.xxx" is data.






If need calibration, press  to shows **【dEnSit】** 2 seconds, then shows **【 1.000】** (last density coefficient), Press  to move the cursor and press  to adjust the data, Press  to save data, Press  to quit and shows **【L. x.xxx】**

5.2.2 Volume mode


Press  at Volume mode showing **【P. 150】**, "P" is Piece, "x.xxx" is data.


If need calibration, press  to shows **【PIECE】** 2 seconds, then shows **【 1.000】** (last quantity coefficient), Put known quantity parts on the scale, Press  to move the cursor and press  to enter the known quantity, Press  to save data, Press  to quit and shows **【P. xxx.】**


5.2.3 Alarm mode



Press  at Count mode to show 【ALert】 , Press  to move the cursor and press  to adjust 【ALt-1】 and 【ALt-1】 , Press  to save data, Press  to quit.

5.3 Functions

Press  at Weight mode to Hold current weight until repress

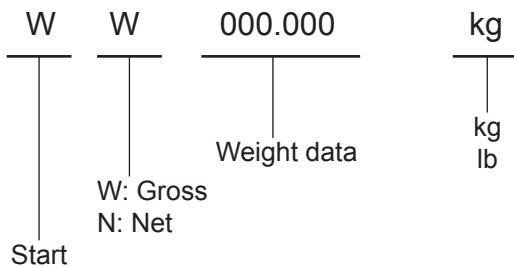
 Note: The weight showing will be blink at Holding mode.

Press  at Weight mode to switch kg/lb.

Press  at Weight mode to accumulate, Press  to quit.

6. USB Interface

The weight string (ASCII code) is transmitted in continuous mode



Note: the decimal point position will be set as the division

