

# ACCU BALANCES INC AC-8100A+ Weighing Indicator



1. The scale used in general industrial and commercial applications, all kinds of packer, canning machine, seed scale, truck weighbridge or Materials testing equipment can also be used for hanging scales.
2. It contains 4 points of control output and 4 points of input (negative value judgment).
3. Display update rate up to 50 times per second.
4. It can be applied to all resistance strain gauge forces and weighed heavy weights.
5. Microprocessor control operation.
6. Fault detection capabilities, customers can quickly find points of failure, reduce system downtime.
7. Parameter backup function, after the customer adjusts the parameters, save the parameters, in case the user will be messed up the parameters, can be directly called out to use.
8. The self correcting function of analog quantity improves the output precision of analog output and solves the problem that the weight is negative while the analog quantity cannot be output.
9. The selection of spare parts is abundant, which reduces the purchasing cost of customers.

| Function                | Description                                              |
|-------------------------|----------------------------------------------------------|
| Power Requirement       | 85V-265VAC, 50/60Hz, approx. 8W<br>18V-36VDC, approx. 8W |
| Load Cell Excitation    | 10VDC±50% 150mA max.4*350ohm load cells                  |
| Input Sensitivity       | 0.25μV/d                                                 |
| Zero Adj.Range          | -30.5mV ~ +30.5mV                                        |
| Input Range             | -30.5mV ~ +30.5mV                                        |
| Temp.Coefficient Zero   | Less than(0.0008% of rading+0.3digits)°C                 |
| Temp.Coefficient Span   | ±8ppm/k of reading                                       |
| Non-linearity           | ≤0.005% of fullscale                                     |
| Internal Resolution     | 520,000 counts                                           |
| Max. Display Resolution | 50,000 counts                                            |
| Conversion Rate         | 200 times/sec                                            |
| 200 times/sec           | Delta-Sigma                                              |
| Weight Display          | 6-digit, 7-segmen, 0.56 inch height LED                  |
| Annunciator             | GROSS,NET,MOTION,ZERO,kg/lb,t                            |
| Keys                    | MODE,TARE,GROSS/NET,ZERO                                 |
| Temperature             | Operating : -10°C ~ +45°C                                |
|                         | Storage : 20% ~ 80%                                      |
| Net Weight              | Approx 0.65kg                                            |
| Panel Cutout Dimensions | 92.5 (W) ×46 (H) mm                                      |