

BE 4 INTELLIGENT LOAD CELL MONITOR AND BATCHING CONTROLLER

The BE 4 panel instrument provides a cost-efficient way of monitoring and controlling a wide range of manufacturing processes. Standard software options cover many functions, and the unit can be customised for individual application needs.



Standard features and options include:

- Bright 6 digit l.e.d. display
- Push-button or auto-tare
- Excitation for up to 4 load cells
- Sense feedback for long cable runs
- Automatic tare
- Automatic in-flight compensation
- IBM compatible version available
- Front panel calibration and set-up via tactile-feedback membrane keyboard
- Up to 8 set-points
- Two-speed feeds
- Jog facility

BE 4: The 4 Standard Versions:

BE 4.1 Weight Indicator

- Front panel set-up and Push-button tare
- External tare input
- Adjustable resolution and decimal point

BE 4.2 Set Point Controller

As above, plus:

- 8 set points
- 8 front panel pre-set in-flights
- External tare input
- External manual input - enables control of outputs from front panel

BE 4.3 Automatic Batch Controller

As above plus:

- Up to 8 ingredients into 1 weigh hopper
- Fast & slow fill
- Automatic tare & in-flight compensation
- Inputs for start fill & start discharge
- Outputs for ingredients + empty + complete
- Print, time & date, & 4-20mA output options

BE 4.4 Computer Controlled Version

- Up to 26 units on PC serial network
- 8 outputs can be controlled by the PC
- An output can be switched on for a set time or until a specified weight is reached
- The PC can read the weight, the keyboard, and the inputs
- External manual input - enables control of outputs from the front panel

BE 4 Relay board

Din rail mounting, provides 8 volt-free change-over relay contacts, 4 off 24 volt inputs, and provides the 24 volt supply for the BE 4. LED indication of power, input status, and output/relay status. Dimensions L239 x w82 x h50mm



BE 4 Specification

Display: 6 digit 4mm LEDs
Sensitivity: 1 uV
Input range: -3 to +30mV
Linearity: 0.03%
CMR: 60db
Zero stability: 0.1uV/deg C
Sampling rate: 20 per sec.
Excitation: 10vdc, 150mA

Width: 144 mm
Height: 72 mm
Depth: 110.5 mm
Panel cut-out: 138 x 68 mm
Outputs: 50VDC 0.5amp
Inputs: 5 - 50 VDC 10k
BE4 supply: 24 vdc.
Mains psu: 110/240 vac

User selectable parameters

Display rate: 0.05 - 10 secs.
Span (uV/digit): 1 to 30,000
Tare (mV): -3 to +30
Resolution: 1 to 100
Decimal point: On any digit
Filter t/c (sec): 0.1 to 10



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