

BE9

Load-cell instrument and controller

The BE9 instrument provides the standard hardware for a wide range of software options from simple display only applications through to multiple ingredient batching and flow control applications. Three of the standard options are described below:



The BE9.1 Indicator Instrument

- Large, bright 5-digit LED display
- Power for up to 4 load cells
- Remote sensing for long cable runs
- Simple 3-step weight calibration from the front panel
- Batching versions have automatic in-flight compensation
- Better than 1 microvolt resolution. 30 millivolts is converted into 46,000 counts
- Push button tare
- Nett / Gross display key
- Rugged design for harsh environments
- Panel mounting DIN case
W:144mm x H: 72mm x D: 110.5mm
cut out 138.0-139.0mm x 68.0-68.7mm
- 24-volt dc powered. 110/240 v ac mains power supply unit available.
- Optional RS232 output
- Optional 0-10v and 4-20mA configurable outputs

The BE9 Relay Board:

- 4 output relays rated at 240v ac 2a with led indicators
- 4 x 24 v dc inputs with led indicators
- Plant wiring terminals
- Power and signal interface to the BE9 instrument via a 1 metre ribbon cable (other lengths available)
- Din rail Mounting. Dimensions L160 X w82 X h50mm

The BE9.2 Set-point Controller has the following additional features:

- 3 Set-point outputs, open collector npn Darlington transistors 50v dc @ 500mA
- 1 Empty output. Energises when display is below an adjustable level
- Inputs 5-50v dc 10k impedance

The BE9.3 Automatic Batch Controller has the following additional features:

- Automatic Batching of up to 3 ingredients into a weigh hopper
- Automatic emptying of the weigh hopper. The discharge door closes after an adjustable delay after an adjustable empty point has been reached.
- In-flight compensation can be set to fixed, learnt, or averaged
- Start Weigh and Start Discharge and Abort inputs provided
- Outputs control the 3 ingredients and the discharge door



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