

# BWC-1

## BULKWEIGHING CONTROLLER



The future in bulk solids  
process control has arrived!

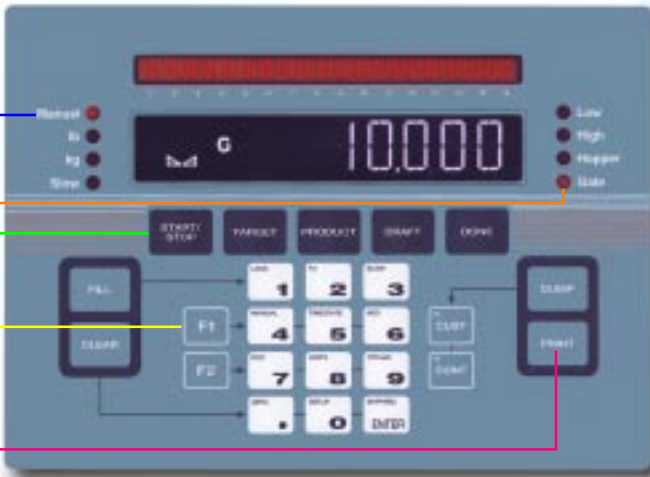
- ▶ *Stores up to 100 different product definitions*
- ▶ *Choice of preact configurations*
- ▶ *Real-time accumulation*
- ▶ *16 inputs/outputs for monitoring sensors and controlling gates*
- ▶ *Shipping and receiving modes*



**RICE LAKE WEIGHING SYSTEMS**  
Industrial Solutions on a Global Scale®

# BWC-1 BULKWEIGHING CONTROLLER

## The next generation in precision loadout control...



### Print Advanced Ticket Information

The print feature provides you with the information you need—product name, product identification, current product accumulated value, current customer, current container, gross weight, full weight, draft accumulator value, rate of change, draft number, transaction number, time, date, consecutive number, draft size and totals.

### Customized Function Keys

Function keys are tailored to your individual application needs. Additional options allow you to select features such as RATE OF CHANGE, TOTALS, TIME/DATE and ZERO OFFSET.

### Control Keys

**START/STOP** – Start, restart or stop an automatic multi-draft transaction.  
**TARGET** – Enter a target weight for a shipping-type multi-draft transaction.  
**PRODUCT** – Displays the current product name or selects a new product to be shipped or received.  
**DRAFT** – Change the draft weight value.  
**DONE** – Complete transactions in the receive mode. You can finish a transaction before the target weight is reached in ship mode.

### Built-in Interlocks

Ensure that gates cannot open out of sequence or prior to printing.

### Choose To Operate In Manual Mode

Manual fill is available to add to a completed transaction or to manually perform a single draft transaction. Manual transactions are included in the final printed ticket.

### Options/Accessories:

- Manual override switches and lights
- NEMA 4X stainless steel enclosure
- Custom software for unique applications
- Bar graph display of sequence, draft process, or progress to target
- Audible alarms
- RS-485 two-wire interface
- Motorized gate control

CC #98-157  
 $n_{max} = 10,000$   
Class III/IIIL



GIPSA approved

Complete control is available when you put the BWC-1 in charge of your bulk material handling applications. Ideal for filling rail cars, barges, storage bins and trucks, this cost-effective controller uses the latest analog-to-digital technology to provide a level of accuracy you can't afford to go without.

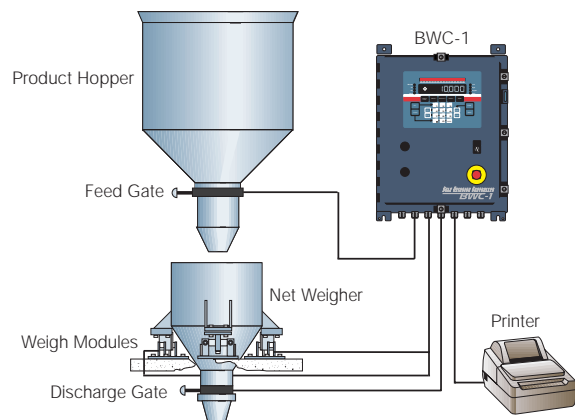


Using a unique preact algorithm to estimate cutoff values, the BWC-1 yields accurate final drafts and optimizes operation by allowing for head pressure variation in the upper garner. What's more, maximum draft sizes are configurable for individual products, ensuring that the weigh hopper will not be overfilled.

Not only does the BWC-1 control fill and dump gates, it has eight sensor inputs for monitoring product supply hoppers, gate disposition, and target vessel product level. Huge product bases are easily handled by its ability to weigh up to 100 products.

With its flexible keypad, operators can easily execute commands, enabling fast and simple operation in every process. And real-time draft printing of weights ensures full accountability during operation. Additional features include:

- Choice of automatic or manual operation
- Product names on front panel display
- Two-speed fill
- NEMA 4 mild steel enclosure



Your Rice Lake Weighing Systems Distributor is:

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