



GBT Series Deluxe Batch Controller

Featuring 8 digits of bright, .55 inch, alphanumeric display, the GBT can accept up to 20,000 pulses per second of digital count. The standard unit has two separate, 8-digit floating decimal, “K” factors to convert the inputs to meaningful total and rate data. The user, with the push of a button, can toggle back and forth to view the total of the batch, the rate of flow or the grand total of flow.

The GBT may be thought of as two separate counters and a ratemeter. The “batching” counter counts to prewarn and preset numbers entered by the user and enables separate control outputs. The “totalizing” counter gives a cumulative reading or grand total.

Finally, the ratemeter counts the number of pulses per second and, with its scaling feature, can provide gallons per minute or any other rate measurement without the totalizer losing counts. At any time, the user may view the total, the grand total or the rate while never interrupting the counting process.

Setup is done through the front panel and the menu driven software in the unit. Start-Stop control can be activated via the front panel buttons or remote inputs.

The unit operates from either 110 VAC / 12 to 27 VDC or optional 220 VAC / 12 to 27 VDC. If AC power is used, two built-in regulated 12 VDC @ 100 mA power supplies are offered. They can be connected to provide +12 VDC and -12 VDC or +24 VDC to drive external devices. CMOS Logic is used to provide high noise immunity and low power consumption with EEPROM to hold data a minimum of 10 years if power is interrupted.



Features and Benefits:

- ✓ Two setpoints for two-stage valve control.
- ✓ Scaled pulse output – NPN.
- ✓ 110 or 220 AC power or 12-27 VDC.

GBT – SPECIFICATIONS

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|--------------------------|---|
| Display: | Lighted 8-digit, 0.55” High, 15 segment, red-orange LED |
| Input Signal: | Hall Effect, Reed Switch or Open Collector (NPN) |
| Output Power: | (AC powered units only) +12 VDC @ 100 mA |
| Memory: | EEPROM stores data for 10 years if power is lost. |
| Control Outputs: | Two.; SPDT Relays: 10 amps 120/240 VAC or 28 VDC. |
| K-Factor: | 8-digit K-Factor dividers from 0.0001 - 99999999 |
| Temperature: | Operating: +32°F to +130°F (0°C to +54°C) |
| Securing Lockout: | User selected 4-digit code |
| Front Panel: | NEMA 4X / IP65 |
| Models: | GBT110 or GBT220 |

NOTE: Does not accept Sine Wave pulse.

APPROVALS

