- **Highly Accurate, Proven and Rugged Design**

- **Clear and simple display**

- **Belt Scale, weighfeeder and flow meter software included as standard**

- **Simple set-up, calibration and diagnostics with clear plain English menus**

Application

GT500 weigh controller is used with either a static or continuous weigh system. They can be used with a wide range of equipment:

- Belt Weighers

- Weighfeeders

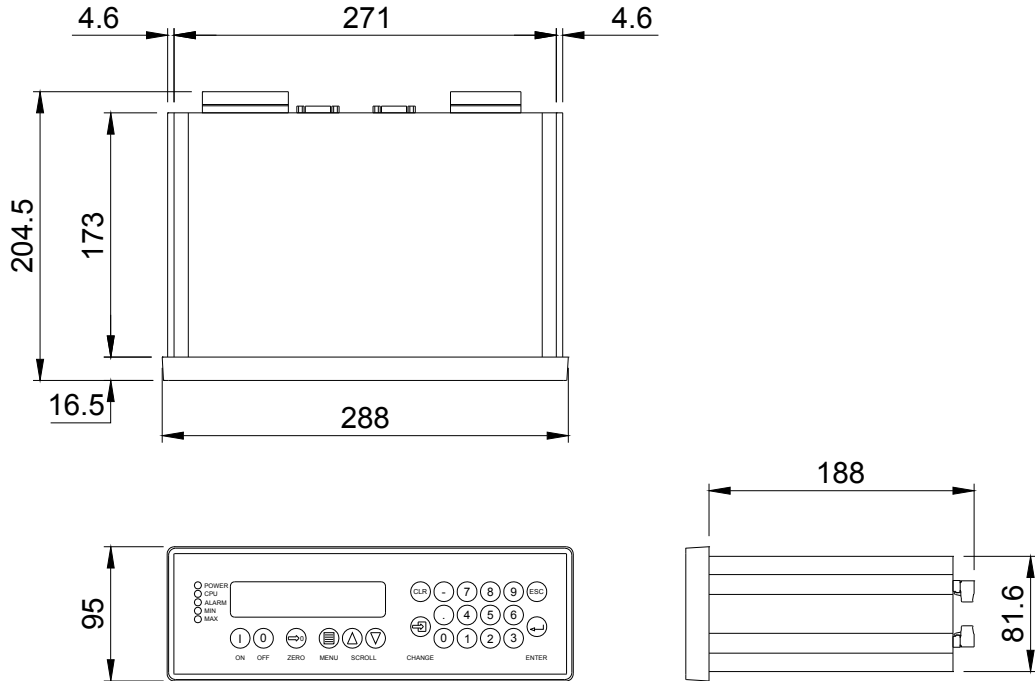- Flow Meters

- Weight Indicator

- Batching control

The rugged design ensures a high degree of reliability and availability.

Features

The system is supplied as front-of-panel
mounting unit or with wall mounted control cabinet in mild steel, UV stabilised plastic or stainless steel. The unit includes the following features as standard:

- Accuracy better than 0.1%
- ergonomically styled keyboard with audible press confirmation
- Self Diagnostics
- 3 programmable status LED's, for Alarm, Warning, Max. and Min..
- All field wiring to a fixed, static location

- Manual and/or automatic zero setting
- Full feed/dribble feed or VSD control for accurate batching
- Galvanically isolated digital outputs
- Fail-safe data memory (EEPROM)
- Integrated diagnostics and self-testing functions
- Auto calibration (automatic calibration programs, self-starting taring)
- Calibration intervals with signal output (intervals programmable)
- Flow rate pulse (level and pulse width set by programming)
- Status, event, calibration and quantity reports
- Simulation mode for testing and training.

Dimensions

Technical Data

Housing	Brushed Aluminium front, pressed sheet steel, painted
Power Supply	24VDC 20W ± 20%
Ambient Temp.	-15º to 55º C
Inputs	Load Cell input ± 9V, >80Ω Speed (Namur/Proximity) Inputs (v, RPM, Belt Drift) 0/4-20mA Input (Feedrate) 3 Digital Inputs (24VDC)
Outputs	2 x 0/4-20mA (Control, I,Q,V) 7 x Digital outputs (250V/1A) 1 x 24VDC pulse output
Interfaces	RS232C to 1m, RS485 to 1000m, Printer Modbus, Profibus DP
Display	160 x 32 dot matrix display multi-line
Keyboard	One piece tactile touch with audible confirmation
Protection Class (panel mount unit only)	IP54
Optional Housing (Cabinet) Protection Class	IP54, 380Wx300Hx210D; IP66 500Wx500Hx210D
Cabinet Material	1.6mm Powder Coated Mild Steel or Grade 316 Stainless Steel
Status LED's	max., min., alarm, warning, CPU okay
Panel cut-out	276mm x 82mm (+ 1mm, -0mm)
Connection	Plug in 5mm spaced terminals max. wire 2.5mm (SWG12)

All controllers should be installed in accordance with the installation and operating manual. Due to our policy of continuous improvement, dimensions and specifications may change without notice. All specifications and dimension should be certified for installation purposes.

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