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Weigh Feeder Controller

The GWS -S weigh feeder controller is a compact controller which can accept the analog signal from the load cells and also the digital input from a speed sensor. It has an inbuilt PID to run the belt/screw motor at the required speed to achieve optimum accuracy. It compares the set rate to the actual rate computed and controls accordingly. It is a state of the art, easy to use controller with sixteen keys for easy entry of parameter and a large LCD display to view the status and alarm.



TECHNICAL SPECIFICATIONS:

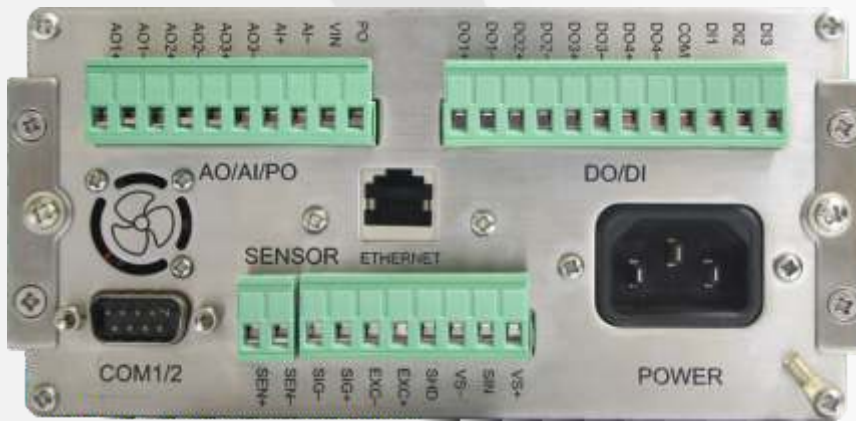
Make	IPA
Model	GWS-S
Display	128×64 LCD display screen with 7 background colours for display Display Refreshing Time : Setting Range 0.1~2.0s
Keypad	16-key Menu & Shortcut operation with key tone

Loadcell Interface

Excitation Voltage/Max. Current	: DC 10V / 250 mA [8-350Ω loadcells]
Signal Input Range	: 0~25mV
Σ-ΔADC	: 24-bit, 100,000 internal code used
Sampling Frequency	: 200Hz
Zero Drift	: ±0.1μV/°C RTI (Relative to Input)
Gain Drift	: ±5ppm/°C
Non-linearity	: 0.005%FS

Speed Sensor Interface

Output Voltage/Max. Current	: DC12V/100mA
Speed Pulse Input Range	: 0.5~3000Hz



Switch Signal Interface

- 3 Normally Open Switch Inputs [DI]
- 4 Normally Open Relay Switch Outputs [DO] : AC250V/DC24V, 1A
- 1 'Totalized Weight High-speed Pulse' Output [PO] : 100mA, DC5~24V; Weight per Pulse and Pulse Width can be preset

Analog Signal Interface

- Max.3 Definable 'Flow/Control Current /...' Analog Signal Outputs [AO] : 4~20mA, Non-linearity : 0.05%FS; AO3 is optional
- 1 Optional 'Flow Set point' Analog Signal Input [AI] : 4~20mA, Non-linearity : 0.05%FS

Digital Communication Interface

COM2: RS232

Operating Specification

Operating Voltage	: AC220V±15%, 50/60Hz
Max. Power Consumption	: 15W
Operating Temperature	: -20°C to +40°C
Storage Temperature	: -30°C to +60°C
Relative Humidity	: Max. 85%RH

Outline Size

Panel - mounting : 86 mm x 164 mm x 193 mm [W x H x D]

Panel Cut-out Size

77 mm x 153 mm [W x H]

Protection Level

Front Panel of Panel-mounting : IP 65

Weight

Approx 1.7 kg

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