

2 Powerful Weigh Feeder Control Modules HI 1756FC and HI1769FC for your PLC from Hardy

Press Release
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Powerful Material Feed Management for Allen-Bradley PLCs

The HI 1756-FC ControlLogix Weigh Feeder Control Module

Used in new applications or to retrofit volumetric feeders, the HI 1756-FC feeder control module mounts directly into your ControlLogix® chassis and controls many standard feeding devices as well as your proprietary designs.

KEY FEATURES

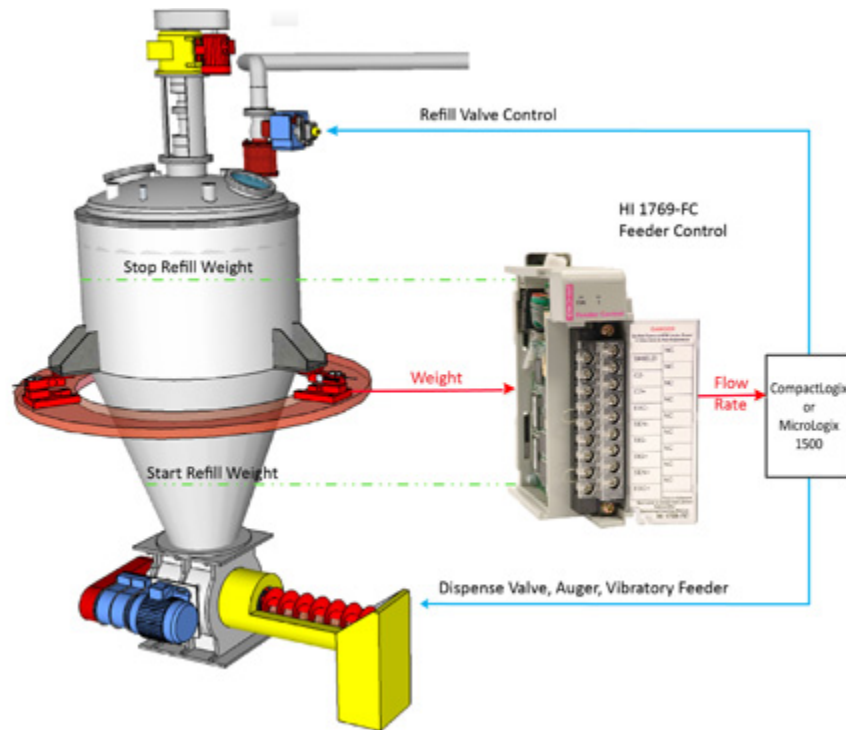
- **WORRY-FREE OPERATION:** The HI 1756-FC feeder control module will watch your process and notify you of problems. Prompts on your system's HMI display and PLC alarm relay outputs occur with tolerance errors and other failures.
- **MULTIPLE FEEDER CONTROL:** The HI 1756-FC is a powerful building block when it comes to multiple feeder systems. It can be a slave to other process inputs through the ControlLogix® processor.
- **AUTOMATIC WEIGHT AND RATE CALIBRATION:** A five-point auto rate calibration automatically allows the module to calibrate itself to the characteristics of the feeder and the material being fed. This allows for a higher feed accuracy over a broader range of feed rates.
- **ROCKWELL INTEGRATED ARCHITECTURE BUILDER (IAB):** Spec out and design your system for optimal productivity, increasing speed and simplifying integration with the click of a mouse.
- **ADDITIONAL FEATURES:** Two bi-color LEDs on the front panel of the module report functional characteristics. Being a true ControlLogix® module, the HI 1756-FC supports removal and insertion under power.



[More info on HI1756FC here](#)

The HI 1769-FC CompactLogix and MicroLogix Weigh Feeder Control Module

Easy to install, simple to set-up: Hardy's HI 1769-FC Weigh Feeder Control Module mounts directly into an Allen-Bradley® MicroLogix™ 1500 or CompactLogix™ chassis and supports Add-on Profile (AOP) set-up, making installation and programming in a "SNAP and a CLICK".



The HI 1769-FC Feeder Control module is a self-contained, microprocessor-based CompactLogix™ and MicroLogix™ 1500 I/O solution that automatically calculates and adjusts tuning parameters typically required to maintain desired flow rates in a dispensing or filling system. It is used in a variety of material-flow applications, such as auger, belt, and vibration-based feeders. It can be operated in batch, automatic, or manual mode.

Algorithms contained in the HI 1769-FC compare user defined flow rates to the actual flow rates by continuously monitoring changes in the system weight over short intervals of time; the 1769-FC then calculates the adjustments necessary to achieve the user defined rate and instructs the PLC to adjust the speed of the feeding or dispensing device.

The 1769-FC updates 100 times per second and is capable of 8,388,608 counts of resolution, enabling the instrument to precisely determine target flow rates and tolerate large "dead" loads in a weigh system.

KEY FEATURES

- WORRY-FREE OPERATION: The HI 1769-FC feeder control module will watch your process and notify you of problems. Prompts on your system's HMI display and PLC alarm relay outputs occur with tolerance errors and other failures.
- MULTIPLE FEEDER CONTROL: The HI 1769-FC is a powerful building block when it comes to multiple feeder systems. It can be a slave to other process inputs through the CompactLogix™ or MicroLogix™ 1500 processor.
- AUTOMATIC WEIGHT AND RATE CALIBRATION: A five-point auto rate calibration automatically allows the module to calibrate itself to the characteristics of the feeder and the material being fed. This allows for a higher feed accuracy over a broader range of feed rates.
- ADDITIONAL FEATURES: Two bi-color LEDs on the front panel of the module report functional characteristics. Being a true CompactLogix and MicroLogix 1500 module, the HI 1769-FC supports removal and insertion under power.
- ROCKWELL ADD-ON PROFILE (AOP): Quickly and easily configure the HI 1769-FC for your application through PLC software on a PC.

[More info on HI1769FC here](#)

Integration and Installation

Both modules are easy to install with Hardy's exclusive core technologies:

- WEVERSAVER® to easily eliminate the effects of surrounding vibration for fast, stable weight display;
- INTEGRATED TECHNICIAN® (IT) for fast and easy system diagnostics and troubleshooting; and
- C2® Electronic Calibration for easy calibration without the use of test weights when used with Hardy ADVANTAGE® load cells.

Find more information at www.hardysolutions.com

Send an email to hardyinfo@hardysolutions.com or

Call us at +1 800 821 5831

Hardy Process Solutions has been a leader in weighing solutions for 90 years and is best known for its innovative approaches to precision instrumentation and process measurement. An ISO 9001:2008 certified manufacturer, Hardy Process Solutions is based in San Diego, California. For more information about Hardy Process Solutions, please visit www.hardysolutions.com or call 1-800-821-5831.

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