

GH & GH-M SERIES

Extrusion Control Units



Technical Specifications

The GH extrusion control and GH-M extruder rate monitor units match the extruder throughput, track material usage, and can control extruder output with the optional control system. Weight per length and weight per area control are also possible using haul off control.

Features

Standard Features

- Surge hopper with refill valve
- Mass flow weigh hopper design for first in/first out material flow eliminates segregation
- Weigh hopper with sight glass for visual check
- High accuracy, precision cantilever load cell
- Rockwell Micro850 PLC control system with high-resolution color touch screen
- Material inventory
- Line footage inventory
- Line and screw speed pickup
- Rockwell Ethernet/IP communications
- Haul off and extruder speed control software included; specify at time of order
- Weight per length control to $\pm 1/2\%$ of target
- Hopper lid arranged for AEC receivers and loaders
- 115/1/60 supply voltage
- Weight per area control available to $\pm 1/2\%$ of target

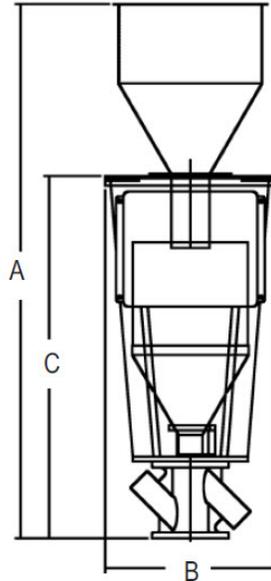
Optional Features

- Haul off Encoder
- Speed adjust module
- Lid for non-AEC loader/receiver

GH Series Basic Operation

The AEC GH Series extrusion control system tracks extruder screw speed, and continually learns the rate of each extruder screw revolution.. The unit then adjusts the extruder speed (or optional haul off speed) to keep product weight per length consistent. The GH unit adjusts for varying product weights, flow characteristics, and varying extrusion pressures, such as plugged screen packs and other factors.

You can create a custom recipe format that suits your application. The units of measurement can be a mix of metric and imperial.



GH-M Series Extruder Monitor Units Standard Features

- Surge hopper with conical refill valve
- Rockwell Micro850 PLC control system with high-resolution color touch screen
- Weigh hopper with sight glass for visual check
- Mass flow weigh hopper design for first in, first out material flow
- Rockwell Ethernet/IP communications
- Precision cantilever load cell
- Hopper lid arranged for AEC receivers and loaders
- 115/1/60 supply voltage

Extrusion Control Options

Model	Description
GH Line Speed Option	Includes a precision hollow shaft encoder to measure the speed of the haul off device. Mount not included.

Specifications

Model	Feed rate, lbs./hr (kg/hr)	Dimensions , in. (cm)		
		A	B	C
GH-10	50-500 (22-250)	60 (153)	18 (46)	37.75 (96)
GH-20	300-1,000 (135-455)	69 (176)	24 (61)	37.75 (96)
GH-40	600- 2,000 (272-910)	74.5 (189)	30 (76)	47.5 (121)
GH-100	1,500 - 5,000 (680-2,268)			