



## GH AND GH-M SERIES EXTRUSION CONTROL UNITS

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



GH/GH-M Series  
Extrusion Control Unit

### 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
- Allen-Bradley remote control system with monochrome touch-screen
- Material inventory
- Line footage inventory
- Extruder and screw speed pickup and hauloff encoder
- DF-1 communications port (Ethernet optional)
- Haul-off or extruder speed control software included; specify at time of order
- Weight per length control to  $\pm 1/2\%$  of maximum extruder rate
- Serial printer port connection
- Hopper lid arranged for AEC receivers and loaders
- 115/1/60 supply voltage
- Weight per area control available

### OPTIONAL FEATURES

- Ethernet communications port
- Lid for non-AEC loader/receiver

## SPECIFICATIONS

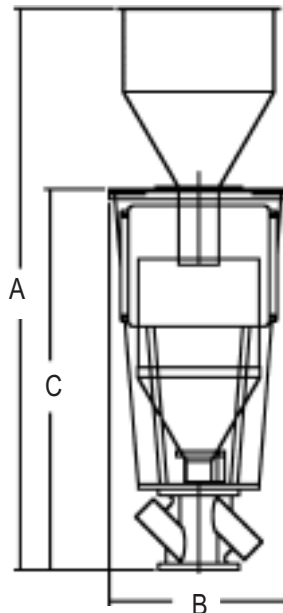
| Model | Feed rate, lbs./hr (kg/hr) | Dimensions, in. (cm) |         |            |
|-------|----------------------------|----------------------|---------|------------|
|       |                            | A                    | B       | C          |
| GH-10 | 100-500 (45-227)           | 60 (153)             | 18 (46) | 37.75 (96) |
| GH-20 | 5-1,000 (2-454)            | 69 (176)             | 24 (61) | 37.75 (96) |
| GH-40 | 0-2,000 (0-907)            | 74.5 (189)           | 30 (76) | 47.5 (121) |

## 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 extrusion line haul-off speed (or optional extruder 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 adjust the GH unit to a preset weight/length (grams/meter or pounds/foot) specification, or you can set it to hold the existing extrusion parameters set.

You can also configure the GH unit to communicate with a co-extrusion controller to provide a complete layer and overall thickness control and monitoring system.



## GH-M SERIES EXTRUDER MONITOR UNITS STANDARD FEATURES

- Surge hopper with conical refill valve
- Allen-Bradley control system with monochrome touch-screen
- Weigh hopper with sight glass for visual check
- Mass flow weigh hopper design for first in, first out material flow
- Network communications
- Precision cantilever load cell
- Hopper lid arranged for AEC receivers and loaders
- 115/1/60 supply voltage

## EXTRUSION CONTROL OPTIONS

| Model      | Description   |
|------------|---|
| COEX-AB    | CoExpert-AB co-extrusion A-B VersaView™ based industrial graphical control system with touch-screen. Includes an integrated Touch-Screen controller, significantly easing installation and operator usage. For use with up to eight (8) GH “flow control” units without a haul-off control. Controls extruder speeds, layer percentages, and blender recipes. Complete with all necessary hardware, software, and communications requirements. Communication wires and cables not included. |
| COEX-AB-LS | CoExpert-AB with line speed control (haul-off). Required when using a CoExpert-AB package to control the haul-off. For use with up to eight (8) OL blending systems or GH “flow control” units and a haul-off control. Encoder included for interfacing to the CoExpert-AB control system. Controls overall yield (weight/length), weight per area. Communication wires and cables not included.  |

NOTE: Purchase of start-up assistance is required with any CoExpert-AB system.