

GH, GH-M SERIES



Extrusion Control
Weigh Hoppers

TRACK MATERIAL USAGE AND CONTROL OUTPUT

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



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
- Line and screw speed pickup
- 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 Sterling receivers and loaders
- 115/1/60 supply voltage
- Weight per area control available

Options

- Additional speed potentiometer
- Speed adjust module
- Lid for non-Sterling loader/receiver

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SPECIFICATIONS

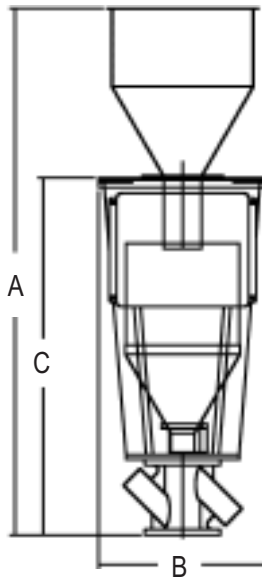
Model	Feed rate, lbs./hr (kg/hr)	Dimensions, in. (cm)		
		A	B	C
GH-10	100-500 (45-227)	60 (153)	18 (46)	37.75 (96)
GH-20	5-1,000 (2-454)	69 (176)	24 (61)	37.75 (96)
GH-40	0-2,000 (0-907)	74.5 (189)	30 (76)	47.5 (131)

GH SERIES BASIC OPERATION

The Sterling 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 Sterling receivers and loaders
- 115/1/60 supply voltage

EXTRUSION CONTROL OPTIONS

Model	Description
COEX-AB	CoExpert® co-extrusion A-B VersaView™ based industrial graphical control system with touch-screen. Includes an integrated PC/Touch-Screen controller, significantly easing installation and operator usage. For use with up to eight (8) SGC blending systems and/or GH-M "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® with line speed control (haul-off). Required when using a CoExpert package to control the haul-off. For use with up to eight (8) SGC blending systems or GH-M "flow control" units and a haul-off control. Included are an encoder and a conversion panel for interfacing to the CoExpert control system. Controls overall yield (weight/length), weight per area. Communication wires and cables not included.

NOTE: Start-up assistance is required with any CoExpert® system.