

In-Process Weigher

IPW050 – IPW200



Hygienic - Reliable - Accurate

Dynamic Weighing Specialists

Solutions for weighing materials on the move

Also known as continuous batch weighers, In-Process Weighers are the most accurate and easy to calibrate dynamic weighing system. In-Process Weighers are suited to a wide range of industry applications including: Grains, Flour, Cement, Fertilizers and Plastics ...

Monitoring / Controlling

The In-Process Weigher can be configured to either monitor or to control the flow rate of product.

Flowrate Display and Totalising

Installed into the product stream, the In-Process Weigher will calculate and display the instantaneous flowrate and totalise the product passing.

Blending

The In-Process Weigher can be set to produce an 4-20mA output as a remote setpoint input to another device and so ratio the addition of an additive..

Bulk Outloading and Batching

An in-Process Weigher can precisely and reliably control and record bulk materials received from, or out loaded to e.g. silos, road, rail, etc.

Capacity and Feed Rates Guide

Material Example	Bulk Density (kg/m ³)	Hopper Capacity (Litres)			
		50	100	150	200
		Feed Rate (TPH)			
Flour	500	7.5	15.0	22.5	30.0
Malt	540	8.1	16.2	24.5	32.4
Barley	650	9.8	19.6	20.4	39.2
Wheat	770	11.3	25.0	34.5	46.0
Fertiliser	1000	15.0	30.0	45.0	60.0
Cement	1200	18.0	36.0	54.0	72.0

Hopper Capacity and Dimensions

	Hopper Capacity (Litres)			
	50	100	150	200
	mm			
High	900	900	1100	1300
Wide	800	950	950	950
Deep	800	950	950	950
Weight (kg)	245	255	285	315

Feed Device Guide and Dimensions

Product Characteristics	Feed Device	Height (mm)
Free Flowing Lumpy	Radial Catch Gate	400
Free Flowing Fine	Butterfly Valve	110
Non Free Flowing Powders	Screw Feeder	400
Non Free Flowing Lumpy	Belt Feeder	600

In-Process Weigher Standard Features

- Weighing Accuracy $\pm 0.5\%$ or better
- Single position radial catch gate
- Separate pneumatic and electrical compartments
- Full strain gauge load cell design
- Totally enclosed (dust tight / hygienic) product stream
- Integral aspiration ensuring quick stabilisation and balancing of pressure above and below the weigher
- Automatic residue clean out – product is not left in the weigher
- Bomb bay type door discharge gates
- Pneumatic operation
- Material totalising.
- Instantaneous flow rate measurement or control.



IPW150 with slide gate feed device and twin drop valve



IPW200—Gravity fed with single position radial catch gate



EMC 2065 Controller

Mounted to the weigher or control cabinet

Features

- Material totalising
- Flowrate measurement
- Flowrate control
- Repetitive batching to a target weight
- Auto tuned pre-acts
- Over & under weight checking
- IP65 facia for dusty or wet conditions

Options

- Fully programmable printing time/ date output
- Communications to computer or PLC.
- Pulse output
- Analogue output for weight or flowrate

Weigher Options

- Automatic Calibration Weights
- Two position catch gate
- Stainless steel contact parts
- Fully stainless steel
- Internal lining to handle product characteristic such as abrasiveness and stickiness
- Feed Bin
- Discharge Chute/Bin
- Support Structure

Feed Device Options

- Screw Feeder
- Belt Feeder
- Radial Catch Gate
- Vibratory Feeder



IPW150—Gravity fed with radial catch gate and discharge door

FOR SPECIFIC APPLICATIONS CONTACT ACTIVE WEIGHING SOLUTIONS OR OUR REPRESENTATIVE.

Active Weighing Solutions is continually improving the design of its products and reserves the right to make alterations without prior notification.