



FLOW FORCE Technologies Pty Ltd
ABN 51 163 429 650
10 Peekarra Street
REGENCY PARK SA 5010

Tel +618 8118 6466
Fax +618 8346 3541
Web: www.flowforce.com.au
Email: sales@flowforce.com.au

IMPACT WEIGHER – PRODUCT INFORMATION

Series 2

The Flow Force Technologies **Impact Weigher** is a unique device for measuring the mass flow rate of free flowing particulate materials. It is relatively simple and compact whilst providing accurate measurement of bulk granular solids and powders.

The **Series 2 Impact weigher** is designed for gravity feed applications operating at low, medium or high mass flow rates in heavy industry applications. The **Series 2** incorporates a sand box design to prevent internal wear and is therefore suitable for measuring the mass flow rate of highly abrasive materials such as those encountered in the mining and mineral processing industries.

The unit is designed so that it may be installed at any point in the material flow path subject to compliance with the specified maximum flow rates. No additional guides or similar external apparatus are required.

The built-in flow stabilizer ensures that variations in up-stream flow conditions (eg velocity) do not affect accuracy.

The transducer assembly is extremely rugged in construction and does not require any routine maintenance or mechanical adjustment.

The **Series 2A Impact weigher** is based on the **Series 2** style but includes an integral cross-sweep sampler with adjustable Bisalloy cutter tips.

The impact weighers are supplied as a complete system including the **XR-1 Controller** ready for use after connecting electrical power.



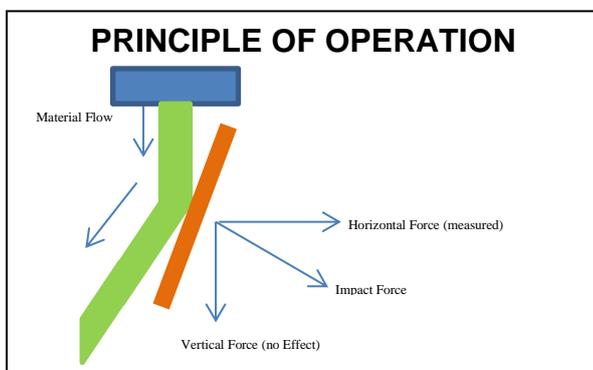
SERIES 2A Impact Weigher with XR Controller

FEATURES

- Operator friendly keypad & display.
- Computer compatible interface.
- Customise as required.
- Australian Manufacture.
- Flows up to 50tph.
- Accuracy up to +/- 0.5% (of true weight).
- Simple on site calibration.
- Optional built in sweep sampler.

APPLICATIONS

- Accurate mass flow rate measurement.
- Flow rate control for dosing & blending.
- Production Measurement.
- Batch Weighing.
- Automated sampling.



Australian Patent No. 602246

MECHANICAL DATA:

Inlet/outlet flanges:	To customer specification from 50 – 150mm
Dimensions:	According to application
Anti-wear material:	Bisalloy; Stainless steel.
Construction Materials:	Stainless Steel or MS Painted
Flow Range:	400 kg/h to 50 tonnes/hr

XR-1 CONTROLLER:



The Flow Force XR-1 Controller is a modern, highly configurable instrument used for the display of process flows from the FlowForce series of Impact weighers. In addition to displaying current flow rate, batch weight, and/or total weight, it can also be used to select running of different products and provide a number of outputs to other process control equipment.

It supplied pre-wired in an IP66 Stainless Steel enclosure and factory integrated with the Impact Weigher.

For full details please refer to the XR-1 Controller data sheet.

FLOW DIVERTER VALVE:



The optional Flow Force diverter valve is available to suit all sizes of Series 2 and 2A Impact weighers.

Incorporating Bisalloy wear parts and sandbox design for long life in arduous conditions. Loose ring flanges provides installation versatility.

It is normally supplied for manual operation but can fitted with pneumatic actuation for remote operation.

FLOW FORCE TECHNOLOGIES PTY LTD

10 PEEKARRA STREET, REGENCY PARK SA 5010 AUSTRALIA

TEL: (08) 8118 6466; FAX: (08) 8346 3541; EMAIL: sales@flowforce.com.au WEB: www.flowforce.com.au