



### Electro Mechanical Weigh Frames

#### ACCUWEIGH® -2 – Dual Weigh Idler, Counter-Balanced Belt Scale

This model incorporates a low deflection, rugged, *counter-balanced*, dual weigh idler, Approach type weigh bridge design with a single, precision load cell, operating in tension, to provide superior weighing performance. The load sensor assembly on Accuweigh® weigh bridges is protected against mechanical shock. (Overload protection optional)

This scale model is supplied with a, simple to operate, *On-Board Test Weight* allowing calibration checks to be made as often as may be required, to determine the As-Found-Error (AFE) thereby ensuring that the scale remains accurate.

Due to the counter-balanced design of this weighing system, it is better (than non counter balanced models) suited to applications such as:-

- Lighter belt loading applications.
- Varying feed rate applications where a larger dynamic operating range is required.
- Wider belts.

This system should be considered for higher accuracy applications where available mounting space precludes the use of the longer weigh bridge ACCUWEIGH® -4 or ACCUWEIGH® -6. The ACCUWEIGH® -2 is designed to allow upgrading to the:

- ACCUWEIGH® -4

The Accuweigh® -2 is *“Approved” for Custody Transfer applications* (S.A. Approval No. 1281 AA5).



*Process Automation manufactures a variety of belt scales in acknowledgement of our customers (applications) varied requirements. The Scale Models differ primarily in the weigh bridge designs. These weigh bridges vary, not only in their length (number of weighing idlers), but also on their technology (principle of operation).*

## Weigh Bridge Accuweigh®-2

Technology	Counter-balanced, Approach type
Variants	Available in Standard or Heavy Duty
Upgrade paths	Accuweigh® -4
Weigh bridge construction	Welded mild steel. Others optional
Paint Finish	Epoxy std (Proprietary Colour) - Specials optional
Conveyor widths	300 mm through 2400 mm
Calibration reference	On-Board calibration weight
Operating temperature range	-40°C to + 80°C Std.
Weight	Subject to belt width and application duty (Std or Heavy Duty)

## Load Sensor

Mounting Assembly	Protected against conveyor overload and mechanical shock
Type	High precision strain gauge
Material	Stainless Steel
Class	± 0.03% of capacity
Electrical cable length supplied	10 meters std – other optional
Protection	IP 67
Operating temperature range	-20°C to +60°C
Temperature compensated range	-10°C to +40°C

