



## Electro Mechanical Weigh Frames

**APPROACH TYPE** (*counter-balanced*)

**EASYWEIGH® - SINGLE WEIGH IDLER WEIGH BRIDGE**

This model incorporates a low deflection, rugged *counter-balanced*, single weigh idler, approach type weigh bridge with a single, precision load cell, operating in tension. The *load sensor assembly incorporates overload protection* and protection against mechanical shock.

The EZ conveyor scale 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.

This model belt scale provides Rate and Total information on applications suited to Electro-mechanical Scales, where price is a

major consideration. Being counter-balanced, the scale is suited to applications with lighter belt loadings.

The Easyweigh® weigh bridge can be made to occupy the shortest linear space in the conveyor. This is important in applications where the available space is extremely limited, such as in weigh feeder type applications.

The Easyweigh® weigh bridge has also been designed to install on top of the conveyor stringer (not into), making it ideal for those applications demanding this arrangement. On Approved Installations, in-accuracies of 1% or less, of design capacity, are possible.



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

Weigh bridge construction	Painted, welded mild steel. Others optional.
Paint Finish	Epoxy with primer – Specials optional
Variants	Nil
Technology	Counter-balanced, approach type
Conveyor widths	300 mm through 1200 mm
Calibration reference	Equipped with On-Board Test Weight
Operating temperature range	-20°C to +60°C Std.
Weight	Subject to belt width

## Load Sensor

Mounting Assembly	Protected against conveyor overload and mechanical shock
Load Cell type	High precision strain gauge
Precision Class	C3 - 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

