



Electro Mechanical Weigh Frames

EC-1 Single Weigh Idler Weigh Bridge
APPROACH TYPE (non counter-balanced)

This model incorporates a low deflection, rugged, approach type weigh bridge with either one or two precision load cell (depending on the conveyor belt width), operating in tension.

These weigh bridges are available in Standard and Heavy duty formats in belt widths from 300 mm through 2400 mm.

The EC-1 Conveyor Scale provides Rate and Total information on applications suited to Electro-mechanical Scales, where price is a major consideration or where available mounting space is limited.

On *Approved Installations*, in-accuracies of 1% 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 std – Specials optional
Variants	Available in Single, Dual (EC-2) and 4 (EC-4) weigh idler formats, Standard or Heavy Duty
Technology	Approach type
Conveyor widths	300 mm through 2400 mm
Calibration reference	Equipped with tray for calibration weights - others optional
Operating temperature range	-20°C to +60°C Std.
Weight	Subject to belt width and application duty (Std or Heavy Duty)

Load Sensor

Mounting Assembly (Optional)	For protection against conveyor overload and mechanical shock
Load Cell type	High precision strain gauge (either 1 or 2 depending on belt width)
Precision Class	C3 - 0,03% of Capacity
Electrical cable length supplied	7 meters std – others optional
Protection	IP 67
Operating temperature range	-20°C to +60°C Standard
Temperature compensated range	-10°C to +40°C Standard

