



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

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| 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

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| Mounting Assembly (Optional) | For protection against conveyor overload and mechanical shock |
| Load Cell type | High precision strain gauge (either 1 or 2 depending on the 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 |

