



## Electro Mechanical Weigh Frames

### EC-4 Weigh Frame

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

This model incorporates a low deflection, rugged, approach-retreat type weigh frame with a single, precision load cell, operating in tension. It has been designed to provide a cost effective multi-idler weighing system. This version has double the weigh span of the dual weigh idler Models and quadruple the weigh span of the single weigh idler Models.

Providing it was initially engineered for a 1000 mm weigh idler pitch, this scale model has been designed to allow upgrading to the following (counter-balanced) weigh bridge model:

- ACCUWEIGH® -4

On Approved Installations in-accuracies of 0,5% 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 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   |

