

# Flow scale

## An approved high capacity belt weigher from Marel

### Variants

The built-in FB02 conveyor: length 1900mm (74")

Electrical cabinet on either side

Two belt widths:

615mm (23 5/8") – FB02-600

922mm (35 7/16") – FB02-900

### Accessories

Height extension for both widths: 500mm + up to 150mm

Drip pan for both widths



| Specifications:               | M2200-B03-FB02  |
|-------------------------------|---|
| <b>Weighing capacity</b>      | Flow rate up to 100 metric tons/hr at belt speed of 0.5 m/s (100 ft/min)<br>Flow rate scales according to conveyor speed<br>Discontinuous flow reduces weighing capacity  |
| <b>Weighing accuracy</b>      | Class 0.5 weighing instrument:<br>±0.5% in-service accuracy<br>±0.25% when adjusted & tested  |
| <b>Ambient temperature</b>    | -5° to 30° Celsius. <i>*Not for use in wet freezing environment</i>   |
| <b>Display and control</b>    | Weight indication on an LCD display with robust keyboard<br>Display elements: master totaliser, resettable totaliser, flow rate indicator<br>Keyboard used for start & stop, & menu system  |
| <b>Alibi memory</b>           | Built-in recording element (alibi memory) stores each weight recording in a persistent memory: date & time, master totaliser beginning & end values, quantity weighed, percentage weighed above & below the flow rate maximum & minimum |
| <b>Approvals</b>              | EC Type Examination Certificate No.: DK 0199.361<br>OIML Certificate No.: R50/1997-DK3-12.01<br>US approval NTEP CC Certificate Number: 13-019  |
| <b>The FB02 conveyor belt</b> | Belt length: 1917mm (74 1/2")<br>Belt width: 600mm & 900mm (23 5/8" & 35 7/16")<br>Belt height: 746,6 + 180mm (29 6/16 + 7 1/16)  |
| <b>Conveyor speed</b>         | Fixed speed; 0.2 to 0.5 m/s (40 to 100 ft/min)  |
| <b>Communication</b>          | Ethernet TCP/IP<br>Dry contact. One pulse per 10 kg. Pulse length ca. 0.1 seconds   |
| <b>Protection</b>             | Mechanical overload protection, water protection according to IP69K & IP67 (NEMA 6 / PW12)<br>Removable transport protection of sensitive parts   |
| <b>Construction materials</b> | Food approved plastics and a rust resistant AISI 316 stainless steel  |
| <b>Installation</b>           | Installed between infeed & out-feed conveyors (running at same speed as the Flowscale)<br>Maximum drop-in height: 2-3 cm  |
| <b>Power</b>                  | A nominal 208-230 VAC, max 5A, single phase mains<br>Typical power: less than 200 W   |