



"Masterweigh 7" Electronic Integrator/Controller

"Masterweigh 7" is a precision microprocessor based electronic integrator/controller designed for use with the Web Tech AutoWeigh range of continuous weighing systems, or for retrofitting load cell based systems from other manufacturers.

It is typically suitable for the following weighing applications:

- **Conveyor Belt Scales**
- **Weigh Belt Feeders**
- **Screw Weighing Systems**

STANDARD FEATURES

- Microprocessor based.
- Modular in design – easily serviceable.
- Simple menu driven interface.
- Integral keypad with calibration "Hotkeys".
- 2 x 40 character backlit LCD display.
- All commands in simple English – No hieroglyphics or codes used.
- 8 digit Mass Rate/Mass Total display.
- Isolated 4-20mA Rate output.
- Remote Totaliser output.
- Programmable 4-20mA PID output
- Setpoint Input (4-20mA)
- Programmable "Auto Zero Tracking" function.
- Service menus allow load cell and speed sensor values to be read without the need for test meters.
- Automatic Zero & Span calibrations.
- CE tested and approved.

OPTIONAL FEATURES

- 304 or 316 stainless steel enclosure.
- Sloping roof enclosures.
- Stainless steel sunshade.
- DIP enclosure.
- Intrinsic Safety barriers.



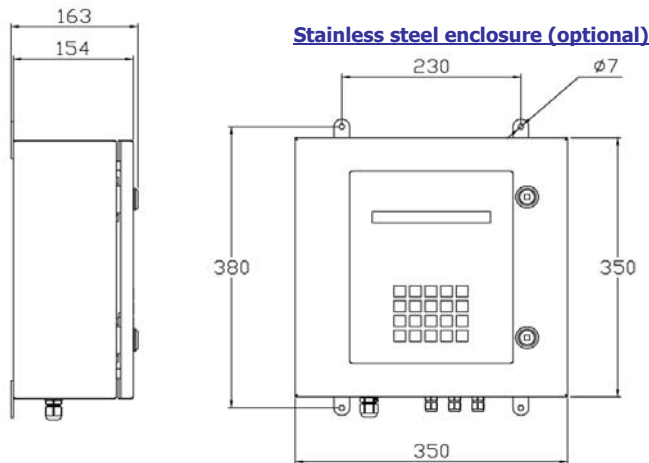
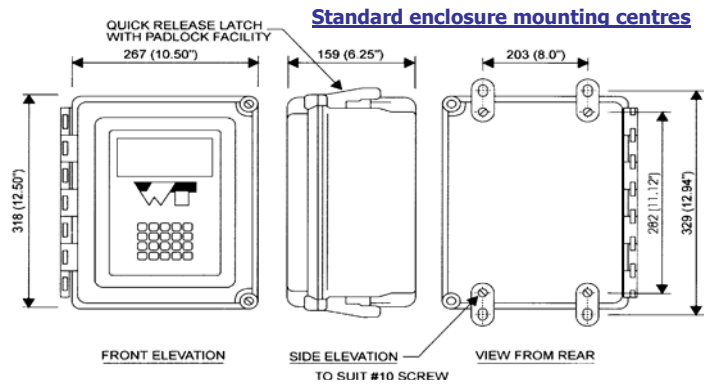
Standard IP66 Reinforced Polyester Enclosure



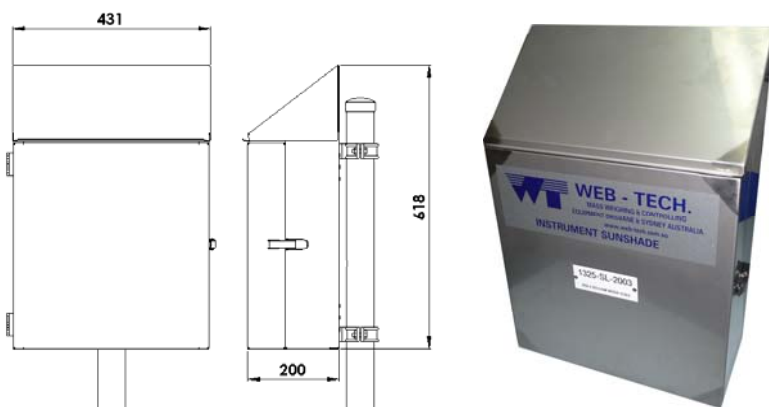
Optional stainless steel enclosure



Optional Retrofit Kit



Stainless steel sunshade (optional)



Technical Specification

- Power Requirements:** 110/240 VAC (switch selectable) +/- 10%, 50/60Hz. 12/24/48 VDC optional.
- Temperature Range:** -10°C to +40°C.
Optional enclosure heater for lower temperatures.
Optional high temperature screen -10°C to +60°C.
- Load Cell Excitation:** 10 VDC, up to eight (8) 350 ohm load cells.
- Load Cell Input:** 0 – 35mV.
- Speed Sensor Excitation:** 5 VDC to 15 VDC.
- Speed Sensor Input:** -50 V to +50 V DC or AC RMS. Maximum input frequency 800 Hz.
- Analogue Outputs:** Masterweigh provides two (2) 4-20mA channels
Channel 1: Instantaneous Mass Rate.
Channel 2: PID output for setpoint control. Both channels internally powered. Each channel is optically isolated from the Masterweigh electronics.
- Analogue Input:** 4-20mA for setpoint
- Pulse Output:** 5 VDC/24 VDC/Voltage Free Contacts (link selectable).
Relay output: 5/24V Internal supply. Max switched current : 500mA
Pulse width programmable from 10 ms to 1 second.
- Protection:** All inputs internally protected.

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