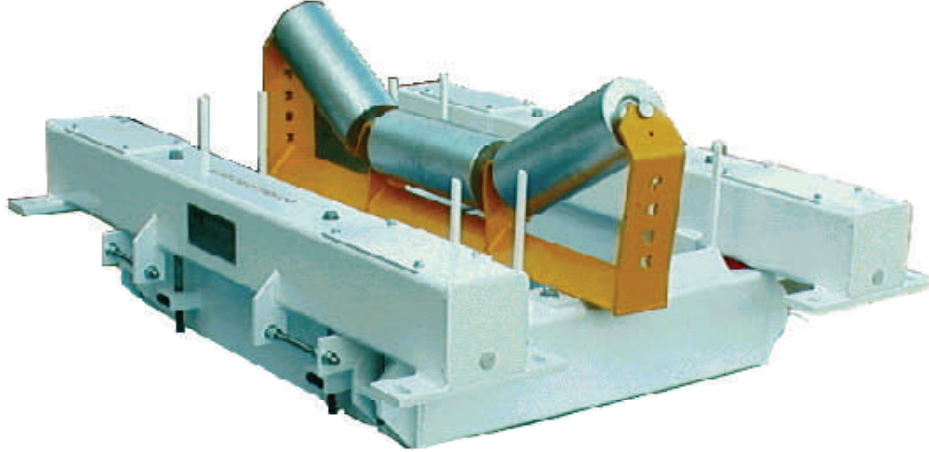




WEB-TECH

Model WTS1-S2 Conveyor Belt Scale Single Idler Dual Load Cell Fully Floating Weigh Carriage



WEIGHFRAME FEATURES.

Single Idler, fully floating weighframe. Weighframe directly supported by two precision load cells, eliminating knife edges, bearings and trunnions. The load cells are used in the tension mode, which ignores other forces not pertaining to the product weight.

Suitable for use on conveyors with belt widths up to 2200mm.

Accuracies of $\pm 0.5\%$ over an operating range 20% - 120% of design capacity. (On Web-Tech approved installations).

Minimal surface area to reduce product build up on live area.

Weighframe fabricated from mild steel with epoxy paint finish. Other materials and finishes are available.

Weigh quality idlers can be optionally supplied by Web-Tech. Weigh idlers are supplied with adjustment screws which allows accurate alignment once installed.

The WTS1-S2 conveyor belt scale is supplied with one of Web-Tech's "Masterweigh" range of microprocessor based electronic integrators. A number of models are available, depending on the application requirements. Please refer to the brochure pertaining to the Masterweigh range of electronics.

ELECTRONIC FEATURES.

The WTS1-S2 is supplied with a digital or magnetic pick up to provide an accurate means of calculating the belt speed. The device most suitable for your application will be recommended by Web-Tech in our quotation. Generally the magnetic pick up is used where the idler rolls are to be used and the digital encoder is generally used where the tail pulley or spiral pulley is to be used. For those applications where it is difficult to employ any of the above methods, Web-Tech manufacture a jockey wheel assembly that rides on the return side of the belt. For details and drawings pertaining to belt speed measurement contact the factory.

To assist in the connection of the load cell and belt speed pick-up. Web-Tech supply IP 65 rated junction boxes. Each box is fitted with a printed circuit (PCB), screw terminals and test points. The load cell interconnection PCB allows for multiple load cell connections. The PCB has a voltage shield circuit incorporated which prevents current leakage over the PCB surface.

The speed encoder PCB provides screw terminals for all types of encoder that are suitable for use with the Masterweigh series of integrators along with a "voltage present" LED where required.

The Masterweigh range of electronics have been designed to perform in the harshest of environments. Enclosed in an IP 67 rated enclosure they are suitable for mounting along side the conveyor. For those areas where the temperature may rise to over 50°C because of direct sunlight. Optional sunshades can be purchased. All Masterweighs provide the user with a local read out of mass rate and accumulated total. The Masterweigh series are all field programmable and calibrated. Advanced software allows the user to interrogate the load cell and tachometer in the field and the use of optional operator access codes keeps un-authorized personnel from adjusting. Remote rate and total signals are available at no extra cost. Rate is transmitted as a 4/20mA signal and the total (by increments field selected) either +5V pulse, 28V pulse or clean contacts depending on the series of Masterweigh selected.

Web-Tech manufacture a range of conveyor belt scales. One idler two idler, four and six idlers. Web-Tech also manufacture conveyor belt scales that are bifurcated and provide dead load alleviation.

If you want advise about any aspect of Web-Tech conveyor belt scales contact the addresses shown on back of this brochure.

