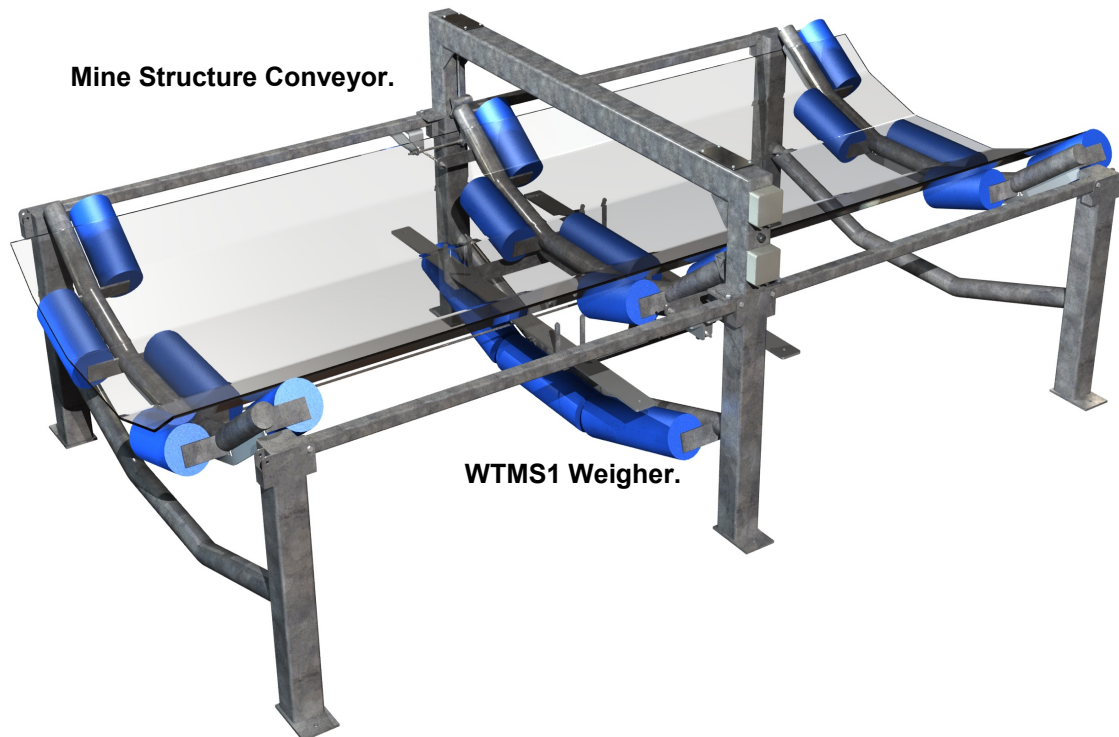


Model WTMS1 Conveyor Belt Scale.

Single Idler, Dual Load Cell, Suspended Weigh Idler, designed for use with Mine Structure / Trestle Supported style conveyors.



The Web Tech Autoweigh WTMS1 conveyor belt scale has been specifically designed to fit into Mine Structure Conveyors / “Trestle Conveyors” or mine roof supported conveyors. Installation of the weigh frame is simple and can generally be made with the minimum of conveyor modification.

The WTMS1 weigh idler is fully suspended on two precision stainless steel load cells. The weigh idler is isolated from the trestles by means of stainless steel suspension, rods and brackets. Stainless steel longitudinal and diagonal stay rods hold the weighing idler in alignment with the carry belt,

are transmitted assuring only vertical forces induced in the load cells as a result of the weight.

The overhead weigher support frame can be supplied painted to your specifications, galvanized or fabricated in stainless steel, (304 or 316 grade). The frame houses the two precision stainless steel load cells and their associated overload stops. Access to the load cells for inspection and service is by means of two of access plates fitted with nitrile gaskets to keep water and contaminants out.

Web Tech Autoweigh offer a weigher component modification service. Idler assemblies can be sourced and modified to weigher standards by Web Tech Autoweigh

or customer idler assemblies can be sent for modification. The WTMS1 is supplied in a kit form. The design has been carefully engineered for easy, in the field fitting. Depending on the belt speed option selected, the speed detection system can also be fitted during idler modification.

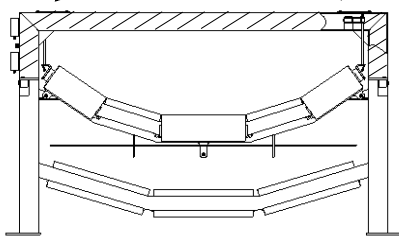
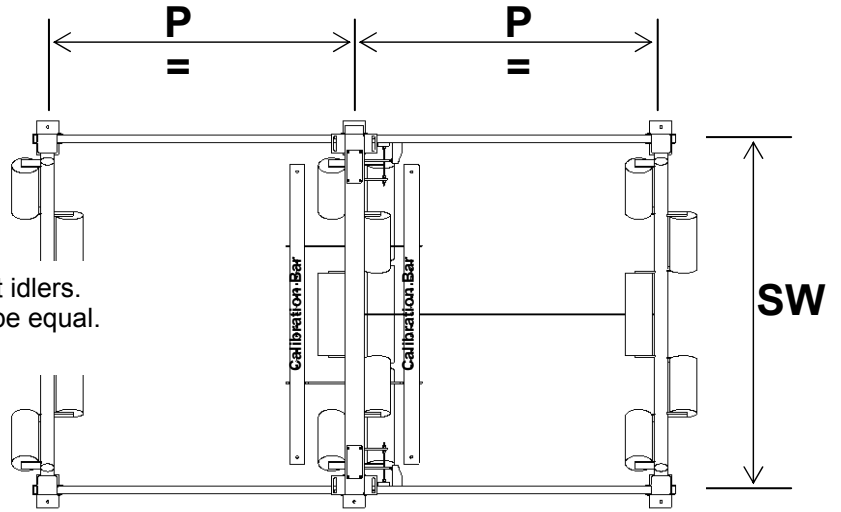
Two field wiring junction boxes rated to IP65 are supplied pre-fitted to the weigher support frame. The two junction boxes provide the installer with a convenient method of connecting the instrumentation field wiring to the load cells and belt speed sensor.



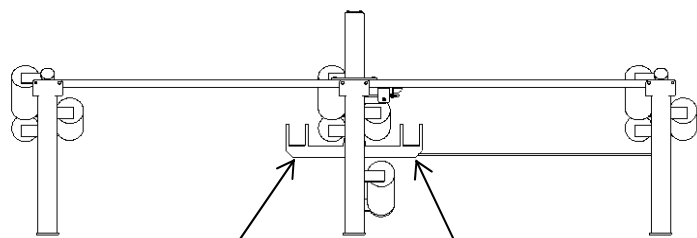
P = Pitch, distance between two adjacent idlers.
= = Pitch either side of weigh idler must be equal.
SW = Structure Width.

SS Load Cells contained within weighframe support structure, which provides load cell protection from water and mechanical damage.

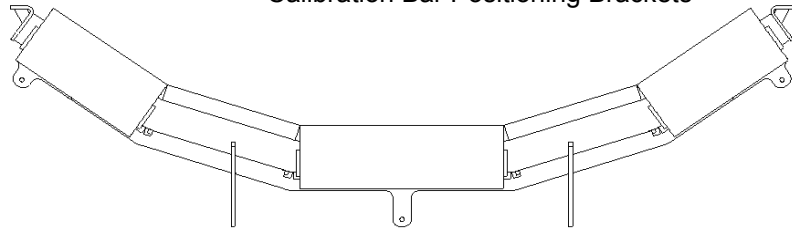
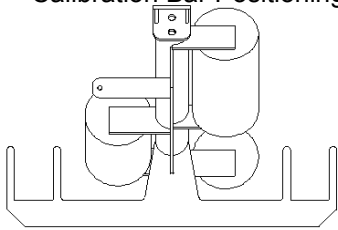
Support frame cross hatched.



Calibration Bar Positioning



Calibration Bar Positioning Brackets

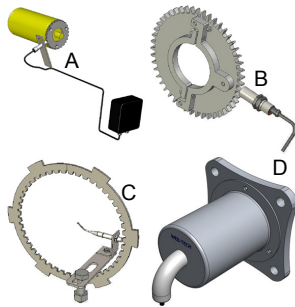


Rolls & Transom modified to weigh quality by customer or Web-Tech Autoweigh workshop.
 Calibration bar positioning bars supplied with order, calibration bars optional extra.

MW5 Standard IP66 Enclosure



MW5 Optional SS Enclosure.



Belt Speed Options.

Optional Stainless Steel Sunshade

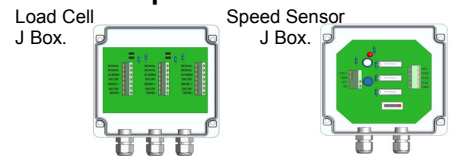


Masterweigh 5 (MW5).

The WTMS1 is supplied with a MasterWeigh 5 (MW5) electronic integrator which has an exceptional in service record for accuracy and reliability. The user interface is simple and intuitive. Calibration, (zero & span) are easy to initiate and run. Data produced by the calibration routines is useful when used with a quality assurance program. The led back-lit screen provides the user with local Mass Rate, Mass Total and means of viewing the menu structure. Remote outputs include 4-20mA rate signal, voltage free or +5/24 volt pulse for remote totalisation. ProfiBus®, DeviceNet® & EtherNet® communications protocols are available as an optional solution for data transfer. MW5 can be powered by either 240/110VAC, 12, 24 & 48VDC. Select at time of ordering. The MW5 is supplied in an IP66 rated industrial enclosure, constructed from moulded polyfibreglass, featuring tongue and groove seals, piano hinges and stainless steel over locking door latches. Stainless steel 304 or 316 enclosures are available as an optional extra.

- (A) Belt speed detector using either a standard magnetic pick up assembly or amplified for slower belts.
- (B) Belt speed detector using a proximity switch & target fitted to pulley shaft.
- (C) Belt speed detector using a proximity switch & target fitted to the pulley shell.
- (D) Belt speed detection using a precision, digital, encoder fitted to the tail pulley shaft.
- (E) Belt speed detection using a precision, digital, encoder fitted to a spiral pulley. The assembly is factory manufactured and drops into the conveyor and is driven by the underside of the belt.

Load Cell & Speed Sensor J Boxes.



For a quotation please download and complete the conveyor belt data sheet, that can be found on our web page:-

www.webtech.com.au

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