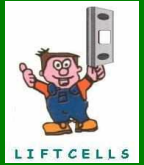
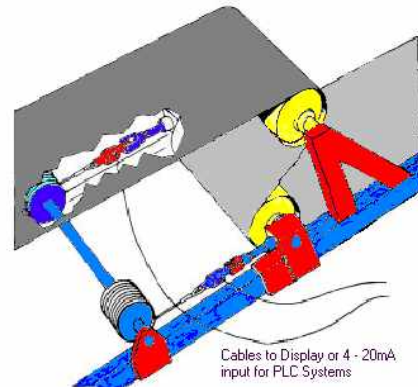


# Conveyor Monitoring Systems



## Designed to extend the life of conveyor belts and provide additional safety features.

Load Cells are installed on either side of the conveyor. They are connected to a take-up winch, which applies tension onto each side of the conveyor. The Load Cells monitor the take-up winches. This System can provide a read-out of the tension on each side of the conveyor or various communications outputs i.e. 4 - 20mA signal, RS485 etc. This system enables the installer and the maintenance department to accurately adjust and set the tension on each side of the conveyor belt.



Correct and equal tension will reduce belt wear and tear, reducing ongoing maintenance costs. The Monitoring System pays for itself by protecting the conveyor belt. Models are available to suit the various Conveyor Systems. We have designs for most of these systems. Whilst electric motors have protection via current sensing they cannot operate or monitor the conveyor with the same degree of speed, accuracy or efficiency provided by the installation of Load Cells.

We are able to provide several different combinations of this system. Load Cells can be supplied with integral 4 – 20mA outputs. Systems can be supplied with local displays, then retransmitted an output in a variety of communication protocols. i.e. RS485, 4 – 20mA, RS232, or 0 – 10V. These outputs can input into a variety of equipment. Systems can be supplied with local alarm set points.

It is also possible to monitor the tension applied via a gear box torque arm. These systems measure the running torque or force applied between the gear box torque arm and a solid support bracket. High or low trip points can be provided either side of the “running torque”. These trips are normally setup once the actual running torque has been established.

Contact us with details of your application should you require any further information.