

The **DIBW (Dual Idler Belt Weigher)** system is recommended where the engineering data indicates that an increased weighspan is required for the desired system accuracy. This system is used extensively in the recycling industry where wide, lightly loaded belts are required to transport the materials. It can be quickly and easily installed by site staff following our comprehensive, pictorial instructions, or our technicians are available if required. The system is supplied with the CBC/1001 Integrator offering exceptional features and performance at a competitive price. More than one thousand CBC/1001 systems have been installed and they are operating in over 30 countries. Fifteen years of continuous product development and over thirty years of industry experience have contributed to the design and success of this product.

- ⊕ Easy to install
- ⊕ Weighframe galvanised for long life.
- ⊕ 240/110 vac or 24/12 vdc operation
- ⊕ Maintenance free - Weighframe has no moving parts.



- ⊕ Easy Calibration
- ⊕ Large Display
- ⊕ All Functions Menu Driven
- ⊕ Three Totals
- ⊕ Powerful Reports

- ⊕ **Free** Telephone - Fax - E-mail Technical support is available for the life of the product. Please see our website www.westweigh.com or contact us for full details

The system is comprised of three component parts: -

The Weighframe - The Speed Sensor - The Integrator.

The Weighframe supports two idler sets and the whole assembly “floats” on four precision load cells. The galvanised weighframe has no moving parts and requires no maintenance apart from occasional inspection to ensure the weighframe is generally clear of debris.

The Speed Sensor runs on the clean side of the return belt and ensures accurate weighing even if the belt speed is not constant.

The Integrator (Totaliser) is the third generation of the very successful CBC/1000 instrument. It is very easy to use with all data being entered through a “user friendly” menu system. The electronics are microprocessor based and all programme and calibration details are stored in non-volatile memory so the system does not have to be continuously powered. To enable WestWeigh to provide free support, Powerful Diagnostic Facilities are built into the system.



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CBC features: -

The clear L.C.D. screen has a backlight for difficult areas and gives a continuous display of Belt Speed, Rate of Flow, and Total. Error messages and process information also appear on the display as required.

Three independent & re-settable totals are available and there are also two management reports. The Shift Performance Report stores valuable information including Shift Start/Stop Times - Shift Total - Average Rate Produced - Maximum Rate Produced - Running Time. The Running Time is a particularly interesting statistic as this “clock” only runs when there is material passing over the weighing device. It is therefore possible to use this information to check on working times and plant productivity. This report can be viewed on screen, printed or sent to a data logger etc.

The Batch Report (in conjunction with an optional printer) will give a Time & Date stamped report of Batch Start / Stop Times - Batch Total - and Batch Number (each Batch number is unique for quality records etc.)

Extensive diagnostic data is also available to enable technical advice and support to be given remotely by telephone, fax or e-mail etc. This powerful data enables most questions to be answered quickly without the need for on-site service, cost or delays.

Technical specifications: -

Power supply:	Switchable 240/110vac or 24/12 vdc
Enclosure Size:	300 x 300 x 120mm IP65 constructed in powder coated mild steel
Display:	30 Character x 8 line Backlit L.C.D.
Keyboard:	16 key sealed to IP67
Load Cell input	4 x CC Series Load Cell
Speed Input:	Digital – max 1.5kHz
Analogue Output (opt.)	0-10v Voltage Output 0-20 / 4-20 mA
Serial Output:	RS232/RS485
Relay Output:	1 x DPDT 240vac 5A 50ms for Totalised Output Pulse Value Selectable 1 x DPDT 240vac 5A for High/Low Rate Alarm or System “healthy” signal

Features in Brief



Indication of : Batch Total -
Grand Total - Belt Speed -
Process Information -
alarms etc.



Full Password Protection



Management Reports



Easy calibration



Powerful diagnostics



Plastic Laminated “Quick Guide”
instruction sheets.



Optional 40 column dot matrix printer
to print Shift Performance Report &
Batch Report.



Photographs of typical of a DIBW installation.

Left: Speed Sensor Installation - direction of rotation is not important

Bottom Left - Typical application for DIBW (Re-cycling household waste)

Bottom Centre - End view of one of the weighframes when installed.

Bottom Right - End side view of one of weighframes when installed.

Note - Load Cells and cables are totally protected inside the weighframe.



Please visit our website www.westweigh.com where you will find full information about our products including copies of Manuals, Quick Guides, Wiring Diagrams, Diagnostic Data Sheets