

BalanceTalk SL™

Spreadsheet Logger to Collect Data from any Balance or Scale

BalanceTalk SL software, from Labtronics Inc., increases the efficiency and accuracy of your weighing applications by capturing readings from any balance or scale equipped with an RS232 port.

- Eliminate manual data entry
- Eliminate transcription errors
- Automate balance applications
- Save worksheet, print or save spreadsheet as a text or Excel® file.

BalanceTalk SL is an easy-to-use, cost effective solution for automation of weighing applications.

Easy to Install

BalanceTalk SL's simple fill-in-the-blank screens guide you through the setup in a matter of minutes. Simply follow these 3 short steps.

1. Enter your instrument information in the Instrument Protocol Setup dialog box.
2. Enter any commands that your balance responds to in the Instrument Command Setup dialog box.
3. Select the Spreadsheet destination and pre-configured parser to use.

You are now ready to start collecting data.

Automatically Controls the Balance

Balances that support bi-directional commands can be controlled directly from BalanceTalk SL using a floating Command dialog box. These commands can be used to request readings at regular intervals, tare your balance and even initiate a remote calibration.



BalanceTalk SL Internal Spreadsheet

BalanceTalk SL includes its own built-in spreadsheet program, which can be used to capture, view, save and print results. The BalanceTalk SL spreadsheet can perform calculations on readings and results can be copied and pasted into other programs or saved as an Excel® (.xls) file or text file.

Weight [g]	Date	Time
0.0	8/17/2004	12:00:01
1.9	8/17/2004	12:00:16
3.7	8/17/2004	12:00:24
4.3	8/17/2004	12:00:28
7.8	8/17/2004	12:00:32
8.8	8/17/2004	12:00:38
8.8	8/17/2004	12:00:51
8.8	8/17/2004	12:00:01
9.8	8/17/2004	12:00:11
10.9	8/17/2004	12:00:21
11.6	8/17/2004	12:00:31
12.6	8/17/2004	12:00:41
Average Weight [g]		
7.4		

Screenshot of BalanceTalk SL spreadsheet and real-time monitor.

Functions Supported

VALID FUNCTIONS IN A FORMULA	
ABS(Coord or Value)	Returns the absolute value of the specified cell or value.
ADD(a,b)	Adds the two elements, which can be cell coordinates or values.
EXP(Coord or Value)	Returns e to the power of the specified cell or value.
IF(a,b,c)	If a is true, cell is assigned b; if false, cell is assigned c. The elements a, b and c can be cell coordinates or values.
ISEMPTY(Coord)	Returns TRUE if cell is empty, FALSE otherwise.
LN(Coord or Value)	Returns the Natural Log for the specified cell or value.
LOG(Coord or Value)	Returns Log Base 10 for the specified cell or value.
NEG(Coord or Value)	Returns the negative of the specified cell or value.
NOT(Coord or Value)	Returns the logical NOT of the specified cell or value.
ROUND UP(Coord or Value, # of Decimals)	Returns the specified cell or value, rounded up to the next integer. The # of Decimals specifies the number of decimal places to which the original value should be rounded. It must be a whole number, and negative numbers are permitted to indicate places to the left of the decimal point.
ROUND(Coord or Value, # of Decimals)	Returns the specified cell or value, rounded up (when $\geq .5$) or down.
SUM(Start Cell:End Cell)	Returns the sum of the defined range of cells.
TRUNCATE(Coord or Value, # of Decimals)	Returns the specified cell or value, truncated at the give number of decimals.

VALID SPREADSHEET OPERATORS	
+	Addition
-	Subtraction
^	Power operator
*	Multiplication
/	Division
&	Logical AND
	Logical OR
!	Negation
>	Greater Than
<	Less Than
=	Equality
:	Sum a range of cells



Adds Date and Time Stamps to Data

A date or time stamp showing exactly when the data was collected can be automatically added to your data. A cumulative time and date stamp is also available to record when a data point was collected, relative to the start of data collection. Both of these are available in a variety of formats.

Accepts Input from the Analyst

User-defined prompts for information such as operator name, product description or batch number can be incorporated into your application. At run time, BalanceTalk SL prompts the user to enter this information, which is then added automatically to the data.



Specifications

Data Destinations

- Integrated spreadsheet
- BalanceTalk SL real-time display window

Program Start-up Capabilities

- Automatically start instruments when BalanceTalk SL is activated
- Start selected instruments from instrument list
- Automatically launch the destination application

Integrated Spreadsheet

- Edit instrument data
- Enters sample IDs using the keyboard or load in from Excel®
- Create reports
- Display a unique spreadsheet for each device
- Format data - decimals, fonts, font size, color, alignment
- Save and Print Worksheets
- Save results to Excel® or text file.

Bi-directional Instrument Control

- Send commands directly from your application
- Choose commands from a user-defined list
- Configure up to 20 commands per balance
- Send time cycled commands
- Send commands automatically on receipt of instrument data

Data Processing Capabilities

- Parse and filter balance data
- Parse and filter ASCII data files
- Cumulative time stamp
- Current time stamp
- Date stamping
- User-defined prompts
- Counter function - count incoming data points
- Computer "BEEP" on receipt of balance data

Product Support

- Fully-documented User's Manual in .pdf format
- On-line Help system
- First year of Labtronics Technical Support and Software Maintenance included

Minimum System Requirements

- Windows® 95, Windows® 98, Windows® NT 4.0, Windows® 2000 or Windows® XP
- Pentium 166, 16 MB RAM

Download the [BalanceTalk SL Order Form](#) from the Labtronics web site, with a full 30-day money back guarantee.

LABTRONICS INC.