



What is AbleCable?

- Quick setup to output RS-232 data to a PC
 - Works with scales, balances, scanners or any device that has an RS-232 output
- Requirements:
- 9-Pin Male RS-232 Port (or connectors or cables to make compatible)
 - 9600 Baud, 8 Data, None Parity
 - Straight connection (Pin to Pin)

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How it works

- Check the settings and connector on device to output data

Example:
TA Series Balance to PC

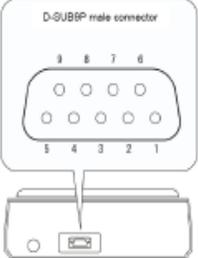


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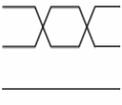
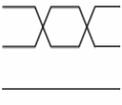
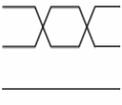
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Comparing Connections

The RS-232C connector equipped on the balance has the following pin alignment:



Pin number	Signal name	Input/Output	Function & Remarks
1	-	-	-
2	RXD	Input	Receiving data
3	TXD	Output	Transmitting data
4	DTR	Output	HIGH (When the balance is powered ON)
5	GND	-	Signal ground
6	-	-	-
7	-	-	-
8	-	-	-
9	EXT TARE	Input	External tare range setting

Part Number	119919												
Description	RS-232/USB Serial Smart Cable Direct												
Baud Rate	9600bps												
Cable Length (L)	1800mm (74 inch)												
Power	USB power, no external power supply												
Compatibility	PC and MAC												
Drawing Legend	① Serial port (RS-232) DB9 Male Connector												
	② USB Type A Connector												
	③ Status indicator, red LED												
Connection	<table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">Smart cable RS-232 pins</td> <td style="width: 40%; text-align: center;">  </td> <td style="width: 30%;">Your device RS-232 pins</td> </tr> <tr> <td>2(RX)</td> <td></td> <td>TX</td> </tr> <tr> <td>3(TX)</td> <td></td> <td>RX</td> </tr> <tr> <td>5(GND)</td> <td></td> <td>GND</td> </tr> </table>	Smart cable RS-232 pins		Your device RS-232 pins	2(RX)		TX	3(TX)		RX	5(GND)		GND
Smart cable RS-232 pins		Your device RS-232 pins											
2(RX)		TX											
3(TX)		RX											
5(GND)		GND											

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TS Series has a Null-Connection

- Use Slimline Null Modem gender changer to cross over pins 2 and 3
- Correct gender of connector

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Set up Balance to Output

5.5 Interface

Displayed when [?] (F. *) is [2~4].

Item	Set Value	Description
Output Control	71 00	0 Stop output
		1 Output continuously at all times
		2 Output continuously if stable (Stop output if unstable)
		3 Output once when the Print key is pressed (whether the balance is stable or unstable)
		4 Output once when the balance is stable. Output when a substance is lifted to cause the display to indicate a value below 0, and then another substance is put on to make the balance stable.
		5 Output once when the balance is stable. Stop output when unstable. Output once when the balance is stabilized again even if it is not reloaded (the output includes zero).
		6 Output once when the balance is stable. Output continuously when unstable. Output is stopped after a single output when the balance is stable even if it is not reloaded.
		7 Output once when the Print key is pressed if the balance is stable.
		8 Output once immediately after a specified interval.
		9 Output once immediately after a specified interval if the balance is stable.
Baud Rate	72 bL	1 1200 bps
		2 2400 bps
		3 4800 bps
		4 9600 bps
		5 19200 bps

- 4 Output control
- 9600 Baud Rate
- None Parity
- 8 data bits

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Ready to Connect

- Plug cable in and connect to PC
- Open up Windows® program
- Push Print button

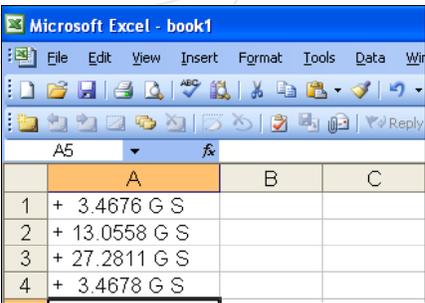
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TA Series Balance to Excel®

- Output from a Rice Lake TA Series balance to Excel

NOTE:
Set up data as text format.

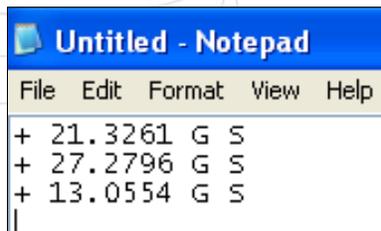


	A	B	C
1	+ 3.4676 G S		
2	+ 13.0558 G S		
3	+ 27.2811 G S		
4	+ 3.4678 G S		

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TA Series Balance to Notepad

- Output from a Rice Lake TA Series balance to Notepad



```
Untitled - Notepad
File Edit Format View Help
+ 21.3261 G S
+ 27.2796 G S
+ 13.0554 G S
```

920i® Example

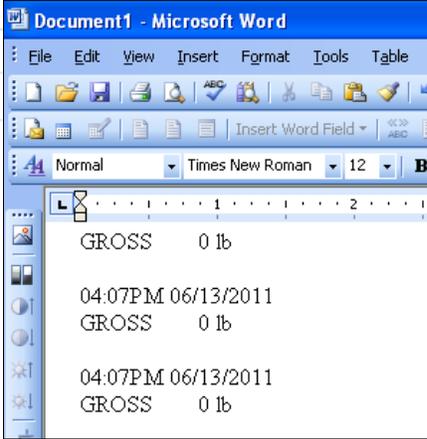
- Rice Lake 920i connects with a blunt end cable or straight cable dependent on port.
- Default baud is correct.



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920i to Word®

- Output from a Rice Lake 920i to Word

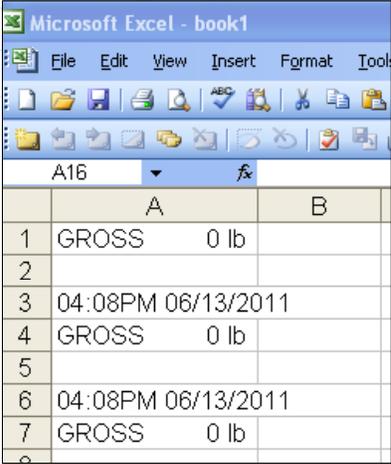


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920i to Excel

- Output from a Rice Lake 920i to Excel



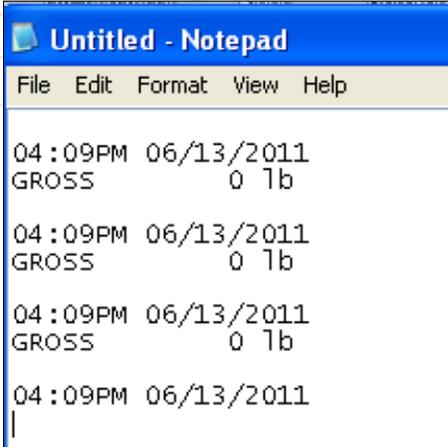
	A	B
1	GROSS	0 lb
2		
3	04:08PM 06/13/2011	
4	GROSS	0 lb
5		
6	04:08PM 06/13/2011	
7	GROSS	0 lb

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920i to Notepad

- Output from a Rice Lake 920i to Notepad



The screenshot shows a Notepad window titled "Untitled - Notepad" with a menu bar containing "File", "Edit", "Format", "View", and "Help". The text content is as follows:

```
04:09PM 06/13/2011  
GROSS 0 lb  
  
04:09PM 06/13/2011  
GROSS 0 lb  
  
04:09PM 06/13/2011  
GROSS 0 lb  
  
04:09PM 06/13/2011  
|
```

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Thank you

Contact prodinfo@ricelake.com
with any questions.

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