

UC-321 PC SOFTWARE CALIBRATION INSTRUCTIONS

1. Connect the supplied communication cable to the UC-321P and to the PC and set switch to **BMI** position.
2. Start the UC-321 calibration software.
Check that the communication settings are correct by clicking on **Setting** and then **Correspondence**. It should be set to **2400bps, 7 data bits, Even Parity** and **1 stop bit**. Make sure your **Com port** is set correctly then click **OK**.
3. Click on **Mode** and then **Calibration**.
4. On the right hand side at the bottom is a list of parameters that set up the type of calibration, division size, temperature coefficients and gravity etc. **See table 1**.
Enter the following settings for a standard UC-321P;
IT 0001
KT 0002
MT 0000
GT 4700
RT 0660
OT 0020
LT 9798
UT 9798
 Make sure all of the parameters are correctly entered before continuing.
5. Click on **Start** and then press the **Measure Switch** of the UC-321 momentarily.
6. **Step 1, Step 2, and Step 3** are displayed consecutively in the top field of the Calibration window. The display of the UC-321 will show **300**, then **88888**, followed by counting **0** to **9**. Parameter data is stored in the UC-321.
7. **OA** is displayed in the top field and a number, i.e. **(ST,+46541kg)** is displayed in the Received data field. The same number, i.e. **(46541)** kg is display on the UC-321.
8. Press **Measure Switch** momentarily, the display will show **[L 0]**, the top field of the Calibration window will show **CL 0**. Remove all weight from the platform and position the timber calibration jig. Wait until the stable indicator appears.
9. Press **Measure Switch** for about half a second, the display will show **"[L 1]"**, the top field of the Calibration window will show **CL 1**.
 If three point calibration was selected, **IT=0001**, wait for the stable indication then apply 80 kg on top of the calibration jig.
 If two point calibration was selected, **IT=0000**, wait for the stable indication then apply 150 kg on top of the calibration jig.
10. Press **Measure Switch** for about half a second,
 If three point calibration was selected, **IT=0001**, the display will show **"[L 2]"**. And the top field of the Calibration window will show **CL 2**.
 If two point calibration was selected, **IT=0000**, the scale will turn off and the top field of the Calibration window will show **OK**. Shut down the software and remove the cable.
 The scale is now ready for use.
11. If three point calibration was selected, **IT=0001**, wait for the stable indication then apply 150 kg on top of the calibration jig. Press **Measure Switch** for about half a second, the scale will turn off and the top field of the Calibration window will show **OK**. Shut down the software and remove the cable.
 The scale is now ready for use.

UC-321 PC SOFTWARE CALIBRATION INSTRUCTIONS**TABLE 1**

Code	Description	Setting	Detail
IT	Type of Calibration	0000	Calibration at 0, 150kg
		0001	Calibration at 0, 80, 150kg
		0002	Calibration at 0, 350lb
		0003	Calibration at 0, 176.4, 350lb
		0004	Initialise Calibration Data
KT	Model and Decimal point Selection	0000	0.05/0.1kg Dual Range
		0001	0.1lb Single Range
		0002	0.05kg Single Range
		0003	0.2lb Single Range. N/A Ver. 4
		0004	0.1kg Single Range. N/A Ver. 4
		0005	0,05/0,1kg Dual Range
		0006	0,05kg single Range
		0007	0,1kg Single Range. N/A Ver. 4
MT	Storing and Clearing of Memory & Target Weight	0000	Do not clear Memory & Target
		0001	Clear Memory & Target
GT	Temperature Coefficient (Res)	4700	4700ppm/°C
RT	Temperature Coefficient (L/C)	0660	66ppm/°C
OT	Ambient Temperature at Calibration	0020	20°C
LT	Gravity at Calibration Site	9798	9/798m/sec ²
UT	Gravity at User Site	9798	9/798m/sec ²