

Software & Communication

Software

Overview

ICT International instruments have customised software support. The software acts as an interface between the user, instrument and sensors. Each instrument has software pre-configured for the sensors it supports.

Look up Table

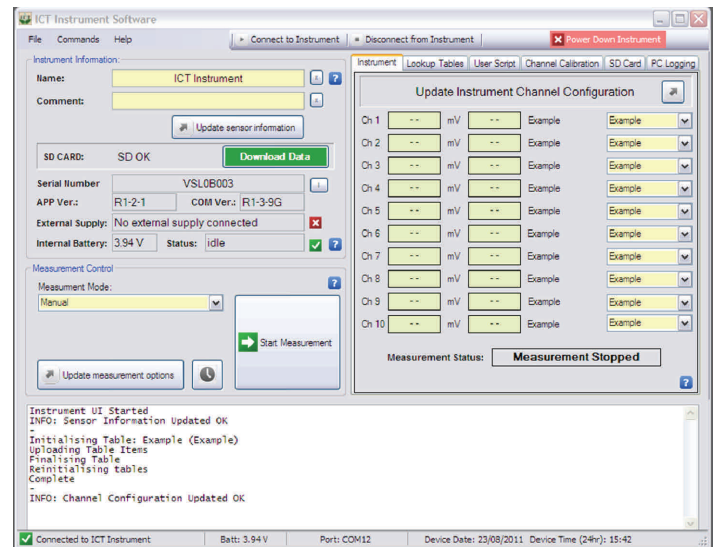
A look-up table is a linear conversion from a mV output from the sensor into any conversion units. A minimum of two values are needed: the lowest mV output and the highest mV output.

Script

For more complex conversions, such as exponential, logistic or polynomial equations, users can enter a script.

Self Calibration

Individual sensors can be calibrated using the ICT International software. A minimum three point calibration curve is required. Statistical analysis of calibrated data is automatically performed. Calibration curves can be saved, retained and modified. Calibration of individual sensors allows absolute precision data collection.



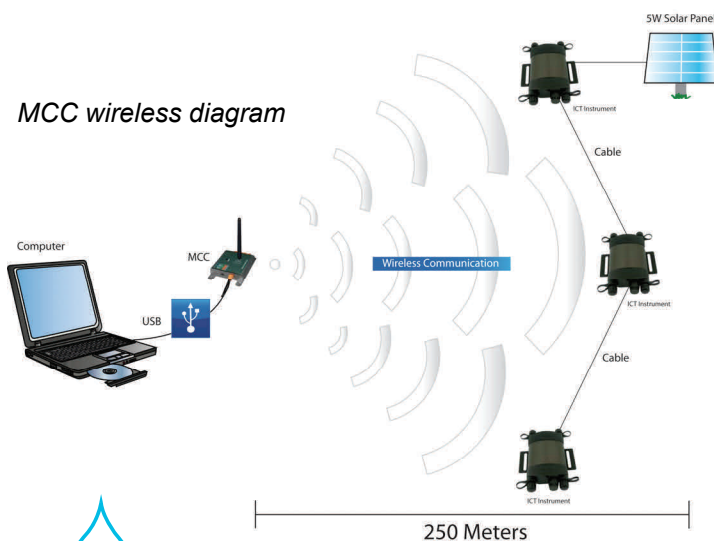
Software Overview

Serial Number	EXAMPLE	
APP Serial #	4000162	
APP Ver:	R1-2-4	
COM Ver:	R1-3-9G	
Instrument Name:	ICT International Example	
Comment:	Example	
Channel	Slope	Intercept
Chan1	1	0
Chan2	1	0
Chan3	1	0
Chan4	1	0
Chan5	1	0
Chan6	1	0
Chan7	1	0
Chan8	1	0
Chan9	1	0
Chan10	1	0

Date	Time	Chan1 (Example)	Chan2 (Example)	Chan3 (Example)	Chan4 (Example)	Chan5 (Example)	Internal Battery Voltage
30/07/2011	10:04:14	0	0	0	0	0	4.06
30/07/2011	10:15:53	0.03	0	0	0	0	4.09
30/07/2011	10:20:14	3.65	0	0	0	0	4.1
30/07/2011	10:40:14	274.84	294.48	291.45	329.22	0	4.09
30/07/2011	11:00:14	930.62	960.07	905.89	881.37	0	4.09
30/07/2011	11:20:15	433.49	489.63	352.88	291.18	0	4.08
30/07/2011	11:40:14	889.9	1024.53	990.23	1012.92	0	4.08

Example Output File

MCC wireless diagram



Communication

MCC

- Wireless communication with any ICT International instrument within 250m.
- Portable, easy to use via ICT International software interface.
- Connects directly into any Windows based computer via USB cable.
- Multiple channel ports, such as SDI-12, RS232, RS485, SI8, ICT-BUS & ICT Wireless Protocols, for highly flexible interfacing between ICT International instruments and third party devices.



Solutions for soil, plant & environmental monitoring

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