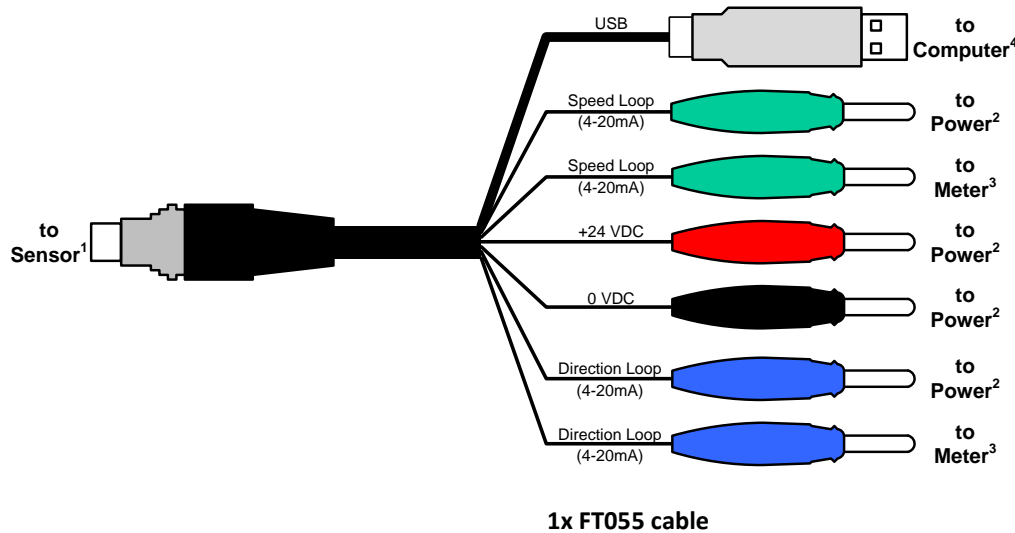


FT Technologies Test Equipment makes it easy to test, evaluate and change settings on the FT range of analogue output wind sensors. The Acu-Vis 2.0 (Analogue 4-20mA) pack is made-up of the FT055 cable and the PC test software. The FT055 test cable supports:

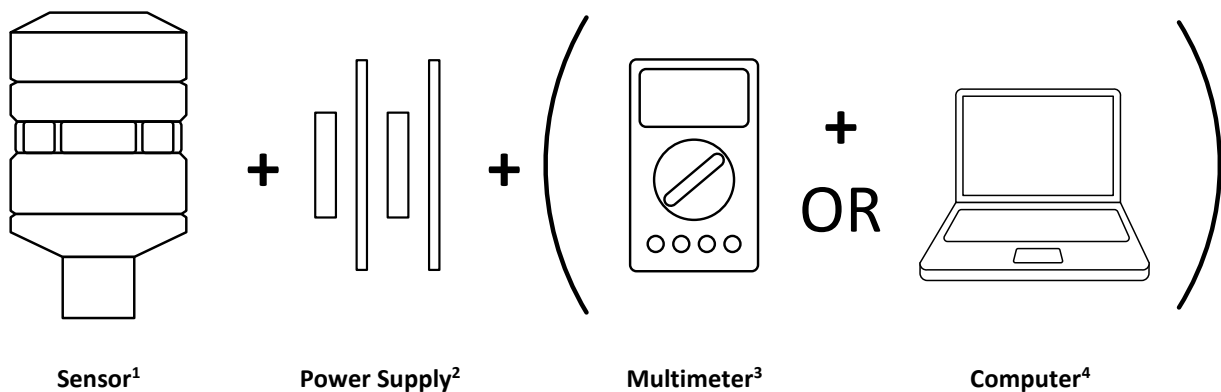
- FT702LT/D (4-20mA) wind sensors (V20 & V22)
- FT722-A and FT742-A (FF, PM and DM variants) 4-20mA sensors

## INCLUDED IN THE PACK



For part details and accessories, please visit: [www.fttechnologies.com/Wind-Sensors/Accessories/](http://www.fttechnologies.com/Wind-Sensors/Accessories/)

## YOU WILL ALSO NEED



1. This equipment can only be used to test the FT range of analogue output wind sensors
2. Power supply:
  - A benchtop PSU @ 12-30 VDC (current limit up to 4A)
  - A rechargeable battery
  - The FT062 (24VDC) power supply (note: the FT062 PSU adaptor requires a regional C13-style main lead)
3. The sensor current loops can be measured using an ammeter, voltmeter or oscilloscope

4. Acu-Vis 2.0 supports Window 7, 8 and 10 computers  
--Download link: <https://fttechnologies.com/support/documentation/acu-vis-software/>  
--A password is required for the above link. Contact FT for details

**Warning: Live connection/disconnection of the power and/or sensors during live operation, or miswiring of the power leads could damage the equipment and is not covered by FT's standard warranty terms**



**Power Source Options – Benchtop electronics PSU (left), FT062 power adaptor (right)**



# Acu-Test (Analogue)

## ACU-VIS 2.0 TEST SOFTWARE

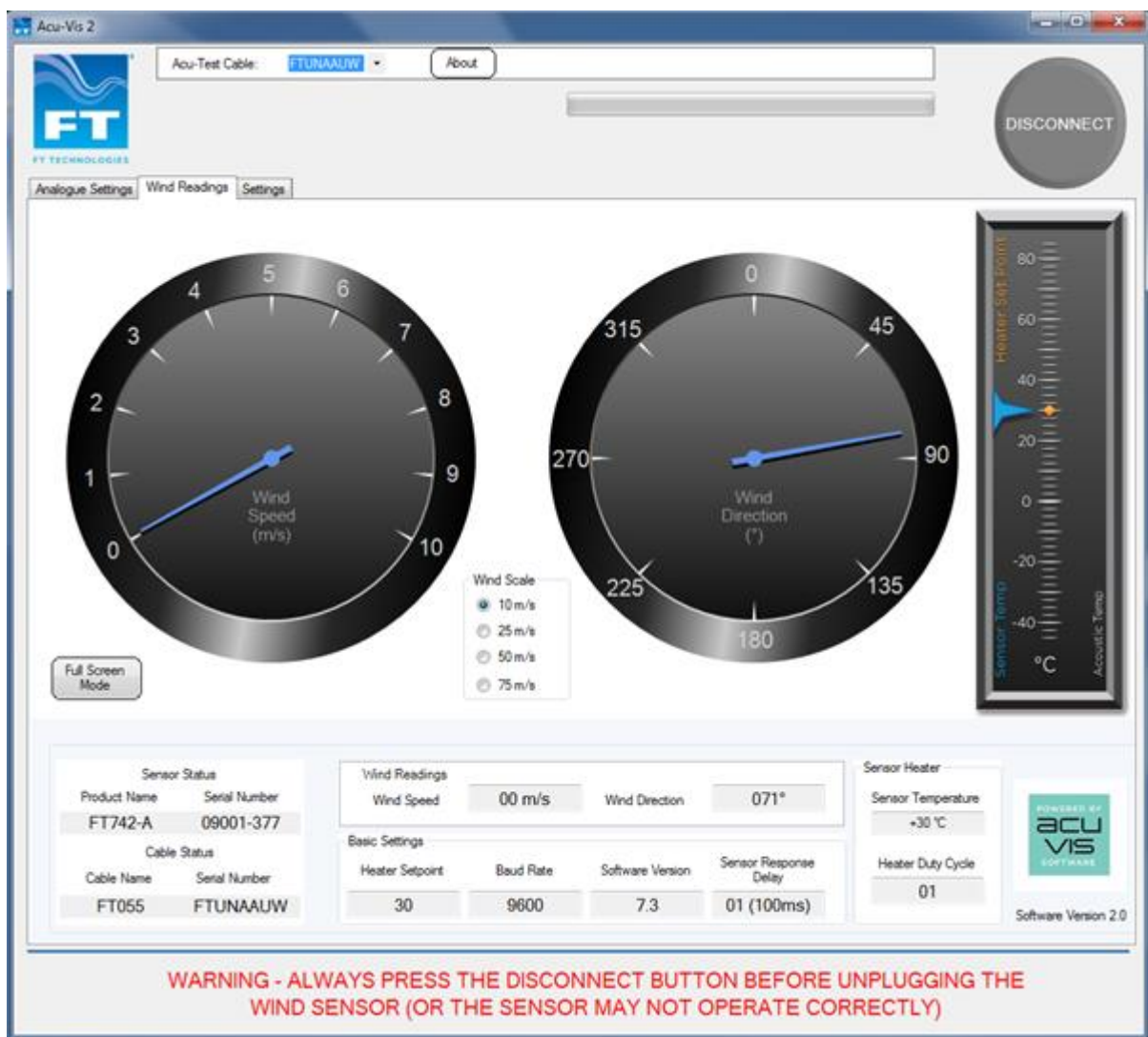
The Acu-Test software can be downloaded and installed from the FT website:

<https://fttechnologies.com/support/documentation/acu-vis-software/>

It is available in English, French, Spanish, Korean, Japanese and Chinese.

### Wind Readings Tab:

- Shows a variety of sensor settings and software versions
- Live wind data is provided





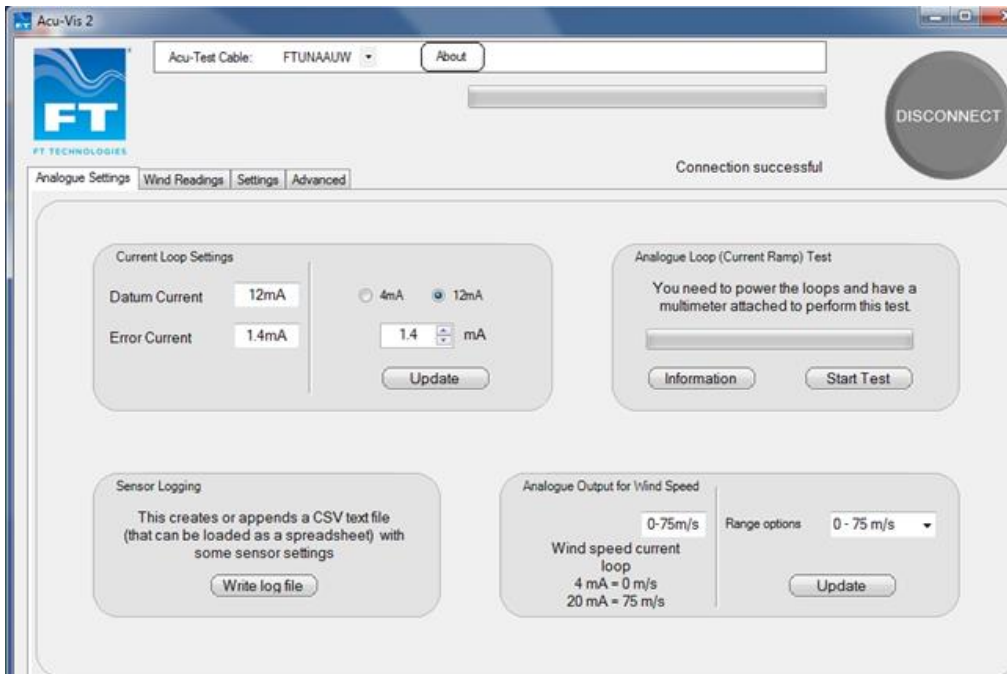
# Acu-Test (Analogue)

## Analogue Settings Tab:

**CAUTION:** Do not change the settings on this page unless you fully understand the technical changes and operational impact. The parameters on this page will change the 4-20mA scaling and range, this could result in severe changes in behaviour and potentially unsafe conditions

Contact FT Technologies technical support team for personalised support.

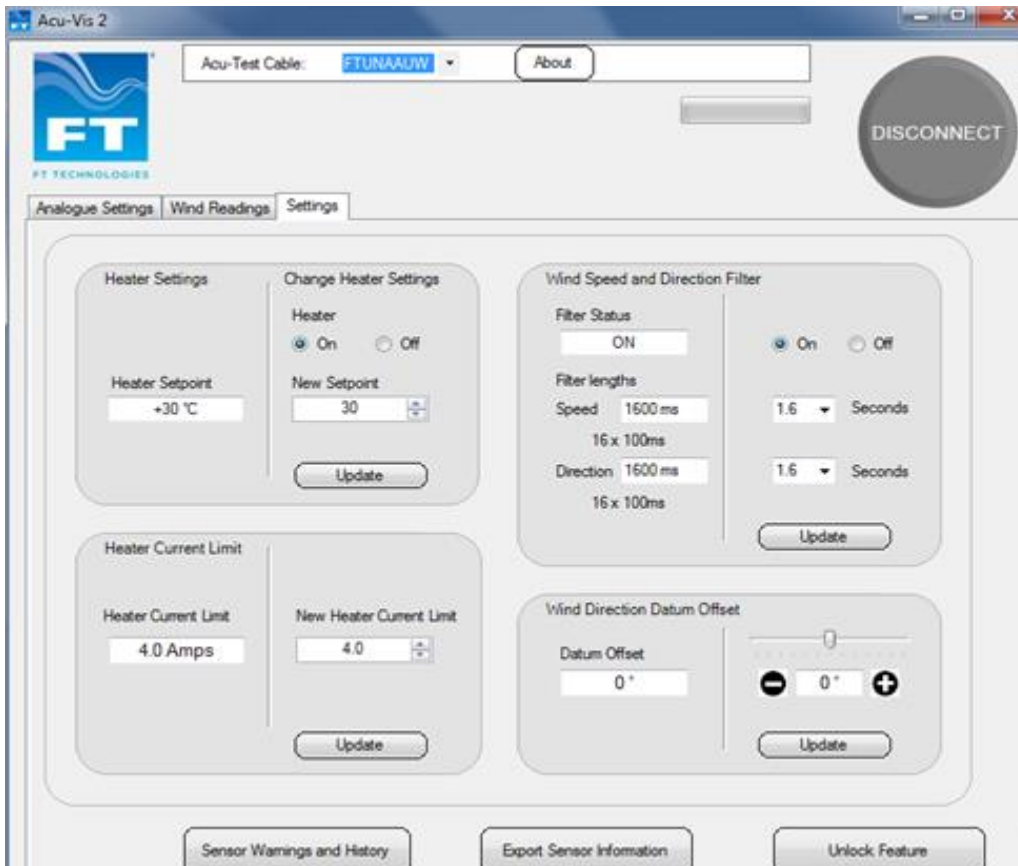
- **Datum Current:** Is the wind direction centred (0°) at 4mA or 12mA. Most wind turbines use a central point of 12mA (some meteorological applications use 4mA)
- **Error Current:** If the sensor detects serious adverse conditions, the mA output current is set to an 'Error Flag Current', this is typically 1.4mA. Some users may require a setting of 4mA for a 'fail-to-zero' configuration. Contact FT for details
- **Analogue Loop (Current Ramp) test:** Ramps the 4-20mA current in steps of 2mA for measurement with a multimeter
- **Analogue Output for Wind speed:** Select the scaling factor required for your application. Please note that data controllers should have a matching scaling factor, or severe inaccuracy will be likely. The most common options are 0-50m/s and 0-75m/s.



## Settings Tab

**CAUTION:** Do not change the settings on this page unless you fully understand the technical changes and operational impact. The parameters on this page this could result in severe changes in behaviour and potentially unsafe conditions

A variety of settings can be changed related to the heater, filters and direction offsets:



The Export Sensor Information button takes a snapshot of all sensor settings, this can be used to send to the FT application engineers to review for setting improvements or sensor optimisation.

The Unlock Feature button is used to provide access to unusual and customer-specific tasks for advanced users.