

Wiring Diagram for 3Cup Aneometer:

- 12V** (Blue) connects to **D1(1)** (Yellow).
- VX2** (Red) connects to **D1(1)** (Yellow).
- 2H** (Black) connects to **D2(G)** (Black).
- 2L** (Black) connects to **D1(2)** (Brown).
- G (2/3)** (Green) connects to **D2(G)** (Black).
- 1H** (Black) connects to **D1(2)** (Brown).
- 3H** (Black) connects to **D2(1)** (White).
- G (1/2)** (Green) connects to **D1(G)** (Pink, Red, Green).
- 3L** (Black) connects to **D2(2)** (Grey).
- G (4/VX1)** (Black) connects to **D4(G)** (Black).
- P1** (Black) connects to **D4(2)** (Grey).
- VX1** (Green) connects to **D4(1)** (Green).
- G (4/VX1)** (Red, Black) connects to **D4(G)** (Black).
- 1L** (Brown) connects to **D1(2)** (Brown).
- 12V** (Red) connects to **D5(1)** (White).
- P2** (Black) connects to **D5(1)** (White).
- G(P1/P2)** (Green, Black, Clear) connects to **D5(G)** (Green, Black, Clear).
- 5V** (Red) connects to **D3(1)** (Grey).
- 4H** (Grey) connects to **D3(1)** (Grey).
- G (3/4)** (Green, Clear, Purple) connects to **D3(G)** (Green, Clear, Purple).
- 4L** (White) connects to **D3(2)** (White).
- VX3** (Red) connects to **D3(1)** (Grey).
- 6H** (Black) connects to **D3(1)** (Grey).
- 6L** (Black) connects to **D3(1)** (Grey).
- G (6/7)** (Green) connects to **D3(G)** (Green, Clear, Purple).
- 7H** (Red) connects to **D3(2)** (White).
- 7L** (Blue) connects to **D3(2)** (White).
- G (next to P3)** (Thick Black) connects to **D3(2)** (White).

Note: no use with the brown, grey, white, black wires

5H	Com Odd H	Campbell Sci (AM16/32B) Multiplexer
5L	Com Odd L	
G (5/6)	Com G	
C4	Reset	
C5	CLK	
12V	12V	
G (SDM)	G (CLK/12V)	

M-1H	M1(1)	Red	SN: 090262 CNR1: Pyrometer & pyranometer
M-1L	M1(2)	Blue	
M-2H	M2(1)	Grey	
M-2L	M2(2)	Yellow	
M-3H	M3(1)	White	
M-3L	M3(2)	Black	
M-4H	M4(1)	Brown	001718 HFP015C #1 Heat Flux Plate #1
M-4G (4/5)	M4(G)	Black(thick)	
M-4L	M4(2)	Green	
SW12		Brown	
M-5H	M5(1)	Green	001724 HFP015C #2 Heat Flux Plate #2
M-5L	M5(2)	Resistor	
M-5G(5/6)	M5(G)	Blue	
M-6G(6/7)	M6(G)	Black	
M-6H	M6(1)	White	
M-6G(6/7)	M6(G)	Black	
M-6L	M6(2)	Green	001708 HFP015C #3 Heat Flux Plate #3
SW12		Brown	
M-7H	M7(1)	Green	
M-7L	M7(2)	Resistor	
M-7G(7/8)	M7(G)	Blue	001724 HFP015C #2 Heat Flux Plate #2
M-7G(7/8)	M7(G)	Black	
M-8H	M8(1)	White	
M-8G(9/10)	M8(G)	Black	
M-8L	M8(2)	Green	001708 HFP015C #3 Heat Flux Plate #3
M-9H	M9(1)	Purple	
M-9G(10/11)	M9(G)	Clear	
M-9L	M9(2)	Orange	001708 HFP015C #3 Heat Flux Plate #3
M-10H	M10(1)	Red	
M-10L	M10(2)	Black	
M-11H	M11(1)	Red	Q41379 LI-190 (dn) Soil Temp
M-11L	M11(2)	Black	

Pin	Wire Color	Terminal Block	Wire Color	Function
12V	Red			TDR CS616
M-12H		M12(1)	Green	
G(12/13)		M12(G)	Black, Clear	
C6		D11(2)	Orange	
12V	Red			TDR CS616
M-12L		M12(2)	Green	
G(12/13)		M12(G)	Black, Clear	
C6		D11(2)	Orange	
12V	Red			TDR CS616
M-13H		M13(1)	Green	
G(13/14)		M13(G)	Black, Clear	
C6		D11(2)	Orange	
12V	Red			TDR CS616
M-13L		M13(2)	Green	
G(13/14)		M13(G)	Black, Clear	
C6		D11(2)	Orange	
M-14H		M14(1)	Red	Temp probe 107
G(14/15)		M14(G)	Clear, Purple	
VX2	Black			
M-14L		M14(2)	Red	
G(14/15)		M14(G)	Clear, Purple	Temp probe 107
VX2	Black			
M-15H		M15(1)	Red	
G(15/16)		M15(G)	Clear, Purple	
VX2	Black			Temp probe 107
M-15L		M15(2)	Red	
G(15/16)		M15(G)	Clear, Purple	
VX2	Black			

- 1) The schematic shows the wiring diagrams during Oct,2012-Mar2013.
- 2) Signal Arrestor: all data signal protectors are from Newey & Klips, the model for D1, D3-D7, D10-D11, M1-M15 is DSP06-S (Nominal Voltage: 6.7V, Resistance: 1ohm) the model for D2 is DSP32-S (Nominal Voltage: 32V, Resistance: 1ohm)
- 3) For soil flux experiments (using portable Li6252 system with CR800), four soil temperature probes (107), and four soil moisture probes (CS616) have been deployed during Oct2012-Apr2013, and the data were logged to CR1000
- 4) The CRBasic program for this time period is "Singtel\_Datalogger\_v4.3\_2.CR1"