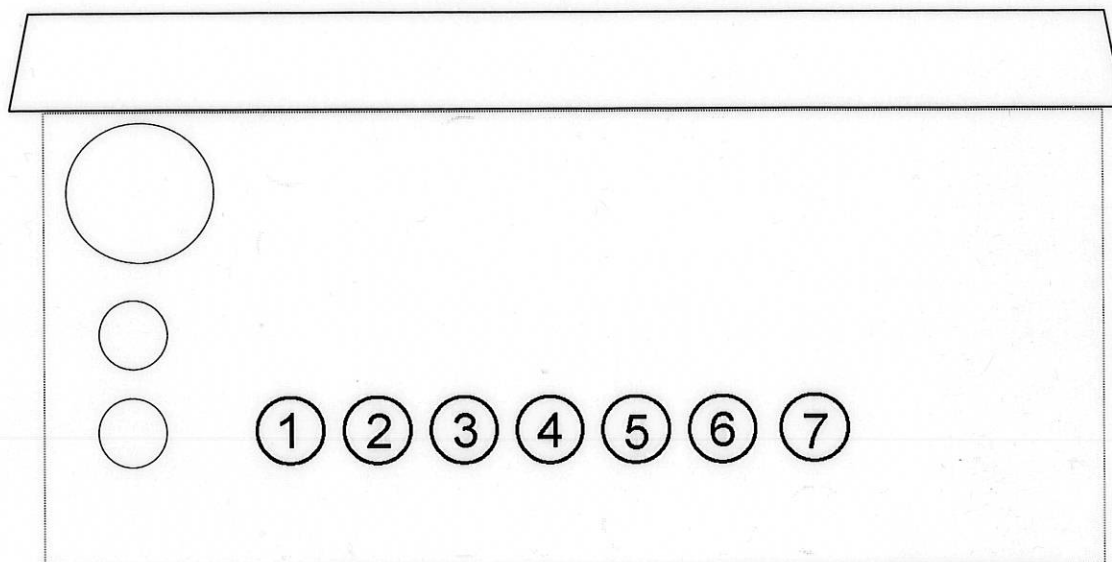


Sensor Connections for Automatic Weather Station

WORKS ORDER: CCSF000287

PARC NATIONAL DE LA VANOISE



Underside view of Enclosure

Sensor №	Sensor Description.		Input Channel №	Excitation Channel №
1	CS215	Relative Humidity and Air Temperature	C 1	12V
2	CS300	Solar Radiation	SE 1	--
3	107	Temperature	SE 2	VX 1
4	05103-5	Wind Direction	SE 3	VX 1
		Wind Speed	P 1	--
5	ARG100	Rainfall	P 2	--
6	SR50A	Distance	C 3	12V
7	SOP18/X	Solar Battery Charge	Battery CHG	--
--	CS100	Barometric Pressure	SE 4	C 2

CAMPBELL SCIENTIFIC LTD

ENCLOSURE WIRING DETAILS

CUSTOMER NAME - PARC NATIONAL DE LA VANOISE
INTERNAL ORDER No - CCSF000287 DATE - 20 November 2009

SENSOR	SENSOR WIRING	CONTACT	LOOM WIRING	CONNECTION TO LOGGER
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-Wiring for CR800 Series-

CS215	RED	1	RED	12V
	BLACK & WHITE	2	BLACK	G
	GREEN	L	GREEN	C 1 → C3 address = 0
	PIN	4	-	-
	-	5	STOPPER	-
	-	N	STOPPER	-
	PIN	7	-	-
	SCREEN	8	GREEN/YELLOW	G

CS300	RED	1	RED	SE 1
	BLACK	2	BLACK	↓
	CLEAR	L	GREEN/YELLOW	↓
	PIN	4	-	-
	PIN	5	-	-
	-	N	STOPPER	-
	PIN	7	-	-
	-	8	STOPPER	-

107	BLACK	1	BLACK	---	BLACK	VX 1
	-	2	STOPPER	P	RED	SE 2
	CLEAR	L	CLEAR	.	WHITE	↓
	SCREEN	4	SCREEN	C	CLEAR	↓
	PIN	5	-	.	-	-
	PIN	N	-	B	-	-
	-	7	STOPPER	.	-	-
	PIN	8	-	---	-	-

05103-5	-	1	STOPPER	-
	BLUE	2	BLUE	VX 1
	GREEN	L	GREEN	SE 3
	WHITE	4	WHITE	↓
	RED	5	RED	P 1
	-	N	STOPPER	-
	BLACK	7	BLACK	P↓
	SCREEN	8	GREEN/YELLOW	↓

ARG100	BLACK	1	BLACK	P 2
	CLEAR	2	WHITE	↓
	-	L	STOPPER	-
	YELLOW (SCR)	4	GREEN/YELLOW	↓
	PIN	5	-	-
	-	N	STOPPER	-
	PIN	7	-	-
	PIN	8	-	-

SR50A	RED	1	RED	12V
	BLACK	2	BLACK	G
	GREEN	L	GREEN	C 3 → address = 1
	WHITE	4	WHITE	G
	-	5	STOPPER	-
	-	N	STOPPER	-
	CLEAR	7	GREY	G
	PIN	8	-	-

SOP	RED (+)	1	RED (24/0.2)	CHG +VE
	-	2	STOPPER	-
	BLUE (-)	L	BLACK (24/0.2)	CHG -VE
	-	4	STOPPER	-
	PIN	5	-	-
	PIN	N	-	-
	PIN	7	-	-
	PIN	8	-	-

CS100	VOUT	BLUE	SE 4
	SUPPLY	RED	12V
	GND	BLACK	G
	AGND	YELLOW	⊥
	EXTTRIG	GREEN	C 2 → C 1 → address = 1
	(CASE)	GREEN/YELLOW	⊥

Connect CS-GSM : RED - BATTERY 12V
 BLACK - BATTERY G
 COMMS TO CSI/O

EARTH:- GREEN/YELLOW 50x0.25mm WIRE FROM EARTH BOSS TO LOGGER

setra

Calibration Certificate

Technician: so *So*
Part No: 2781600MA1B2YT1
Model: 278

Serial No: 4077392
Work Order: 5933509
Date: 10/16/2009

Range: 610 to 1100 HPA/MB
Nom. Output: 0.05 to 2.5 VDC
Supply: 24vdc

CALIBRATION DATA

APPLIED PRESSURE (hPa)	TRANSDUCER OUTPUT (VDC)	PRESSURE CONVERSION (hPa)	ERROR (hPa)	EQUIPMENT UNCERTAINTY (hPa)
610.00	0.0496	609.93	-0.07	+/- 0.10
725.00	0.6259	725.17	0.17	+/- 0.10
850.00	1.2512	850.23	0.23	+/- 0.10
975.00	1.8757	975.14	0.14	+/- 0.10
1100.00	2.5008	1100.16	0.16	+/- 0.10

AMBIENT CONDITIONS:

Humidity: 23.6 %RH
Pressure: 1002.8 hPa

Temperature: 25.0 degree C

SPECIFICATIONS:

Accuracy Specification: +/- 0.5 hPa @ +20 degree C (+68 degree F).

NOTES:

1. This calibration was performed in compliance with ANSI/NCSL Z540-1-1994.
2. All errors are expressed in hPa.
3. Consult specification sheet for additional information.
4. This calibration is certified per N.I.S.T. traceable primary standards.
Reference standard: DHI Model PPC3-2M A1.4MS/A100KP SN 237.
Reference standard cal. due date: 11/4/08 - 11/4/09.
5. This certificate may not be reproduced, except in full, without written approval from Setra Systems.
6. This calibration was performed using procedure P2781X.

159 Swanson Road, Boxborough, MA 01719/Telephone 1-800-257-3872, (978) 263-1400

ARG100 Tipping Bucket Raingauge/Pluviomètre à augers basculeurs ARG100

The serial number and calibration factor for this gauge are as follows
(the serial number is also affixed to the gauge base and beneath the funnel):

Le numéro de série et le facteur de calibration de ce pluviomètre sont les suivants
(le numéro de série est aussi indiqué sur la partie inférieure du pluviomètre ainsi
que sous l'entonnoir) :

Serial No/N° de série: 094606

Calibration Factor/
Facteur de calibration : (203) mm/tip

Date: 16th NOVEMBER 2009

Company Registration Number: 1933935
VAT No. GB 428 4539 33