

CERTIFICATE OF QUALITY ASSURANCE



Davis Instruments · 3465 Diablo Ave., Hayward, CA 94545, U.S.A.
Tel. (510) 732-9229 · Fax (510) 732-9188

Unit Serial # 060303N15

Date of Calibration 2009-04-17

Date Calibration Expires 2010-04-18

Sensor 6163 Wireless Vantage Pro Plus with Solar-Power Fan-Aspirated Radiation Shield

Humidity Accuracy: $\pm 3\%$ RH: We tested and certified accuracy at 33, 80, 90%. The design of the product and physics of the sensor assures that the 33% accuracy will be maintained down to the 10% specification limit.

Accuracy: $\pm 1^\circ\text{F}$ between -10°F and $+110^\circ\text{F}$, $\pm 2^\circ\text{F}$ above $+110^\circ\text{F}$ & below -10°F .

Type of Calibration: Used Instrument
Final Calibration Status: Meets Specifications

Humidity Reference	Calibration Date	Expiration Date	Serial #:
General Eastern M4-RH	18-MAR-2009	18-MAR-2010	1890499

Temperature Reference	Calibration Date	Expiration Date	Serial #:
Vaisala HMP-233	17-JUN-2008	17-JUN-2009	X1530026

This instrument has been calibrated to specifications using a reference traceable to the National Institute of Standards and Technology (NIST). Davis Instruments Corp. certifies that this instrument meets or exceeds published measurement specifications (unless otherwise noted). Calibration records for inspection, measuring, and test equipment are maintained.

I certify that this hygrothermometer has been inspected and tested in accordance with the Davis Instruments Corp. quality assurance program.

SIGNED H. C. Young DATE 4-17-09



MAY 08 2009

CERTIFICATE OF QUALITY ASSURANCE



Davis Instruments · 3465 Diablo Ave., Hayward, CA 94545, U.S.A.
Tel. (510) 732-9229 · Fax (510) 732-9188

Unit Serial # 060303N10

Date of Calibration 2009-04-17

Date Calibration Expires 2010-04-18

Sensor: 6163 Wireless Vantage Pro Plus with Solar-Power Fan-Aspirated Radiation Shield

Specified Accuracy: $\pm 4\%$ + 1 rainfall count at 2.21"/hr. with 1.00" delivered.

Type of Calibration: Used Instrument
Final Calibration Status: Meets Specifications

Reference	Calibration Date	Expiration Date	Serial #:
CAVRO XLP6000 Pump	25-MAR-2009	25-MAR-2010	802008695

This instrument has been calibrated to specifications using a reference traceable to the National Institute of Standards and Technology (NIST). Davis Instruments Corp. certifies that this instrument meets or exceeds published measurement specifications (unless otherwise noted). Calibration records for inspection, measuring, and test equipment are maintained.

I certify that this rain collector has been inspected and tested in accordance with the Davis Instruments Corp. quality assurance program.

SIGNED H.C. Jung DATE 4-17-09



MAY 08 2009

INSTITUTO DE ASTRONOMIA
OBSERVATORIO ASTRONOMICO NACIONAL

CERTIFICATE OF QUALITY ASSURANCE



Davis Instruments · 3465 Diablo Ave., Hayward, CA 94545, U.S.A.
Tel. (510) 732-9229 · Fax (510) 732-9188

Unit Serial #: 060303N17

Date of Calibration: 2009-04-17

Date Calibration Expires: 2010-04-18

Sensor: 6410 Anemometer with 7905L "large" wind cups

Accuracy: Greater of ± 2 mph or $\pm 5\%$, whichever is greater (as tested facing into the wind)

Type of Calibration: Used Instrument
Final Calibration Status: Meets Specifications

Equipment used for calibration:

	CAL DATE	EXP DATE	SERIAL #
MKS Baratron	24-MAR-2009	24-MAR-2010	000335058

This instrument has been calibrated to specifications using standards that have traceability to the National Institute of Standards and Technology. These standards have been derived from accepted values of natural physical constants, or through the use of the ratio method of self-calibration techniques. Davis Instruments Corp. certifies this instrument to meet or exceed published measurement specifications (unless otherwise noted). Calibration records for inspection, measuring, and test equipment are maintained.

I certify that this anemometer has been inspected and tested in accordance with the Davis Instruments Corp. quality assurance program.

SIGNED H.C. Jung DATE 4-17-09



MAY 08 2009

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Davis Instruments · 3465 Diablo Ave., Hayward, CA 94545, U.S.A.
Tel. (510) 732-9229 · Fax (510) 732-9188

Unit Serial #: 070515N03

Date of Calibration: 2007-05-15

Date Calibration Expires: 2008-05-16

Sensor: 6410 Anemometer with 7903L "large" wind cups

Accuracy: Greater of ± 2 mph or $\pm 5\%$, whichever is greater (as tested facing into the wind)

Type of Calibration: New Instrument
Final Calibration Status: Meets Specifications

Equipment used for calibration:

	CAL DATE	EXP DATE	SERIAL #
MKS Baratron	26-FEB-2007	26-FEB-2008	000335058

This instrument has been calibrated to specifications using standards that have traceability to the National Institute of Standards and Technology. These standards have been derived from accepted values of natural physical constants, or through the use of the ratio method of self-calibration techniques. Davis Instruments Corp. certifies this instrument to meet or exceed published measurement specifications (unless otherwise noted). Calibration records for inspection, measuring, and test equipment are maintained.

I certify that this anemometer has been inspected and tested in accordance with the Davis Instruments Corp. quality assurance program.

SIGNED H.C. T. Wang DATE 5-15-07

CERTIFICATE OF QUALITY ASSURANCE



Davis Instruments · 3465 Diablo Ave., Hayward, CA 94545, U.S.A.
Tel. (510) 732-9229 · Fax (510) 732-9188

Unit Serial # 070515N02

Date of Calibration 2007-05-15

Date Calibration Expires 2008-05-16

Sensor: 6163 Wireless Vantage Pro Plus with Solar-Power Fan-Aspirated Radiation Shield

Specified Accuracy: $\pm 4\%$ + 1 rainfall count at 56.1 mm/hr. with 25.4 mm delivered.

Type of Calibration: Used Instrument
Final Calibration Status: Meets Specifications

<u>Reference</u>	<u>Calibration Date</u>	<u>Expiration Date</u>	<u>Serial #:</u>
CAVRO XLP6000 Pump	06-APR-2007	06-APR-2008	060225467

This instrument has been calibrated to specifications using a reference traceable to the National Institute of Standards and Technology (NIST). Davis Instruments Corp. certifies that this instrument meets or exceeds published measurement specifications (unless otherwise noted). Calibration records for inspection, measuring, and test equipment are maintained.

I certify that this rain collector has been inspected and tested in accordance with the Davis Instruments Corp. quality assurance program.

SIGNED H.C. Jung DATE 5-15-07

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Davis Instruments · 3465 Diablo Ave., Hayward, CA 94545, U.S.A.
Tel. (510) 732-9229 · Fax (510) 732-9188

Unit Serial # 070515N01

Date of Calibration 2007-05-15

Date Calibration Expires 2008-05-16

Sensor 6163 Wireless Vantage Pro Plus with Solar-Power Fan-Aspirated Radiation Shield

Humidity Accuracy: $\pm 3\%$ RH: We tested and certified accuracy at 33, 80, 90%. The design of the product and physics of the sensor assures that the 33% accuracy will be maintained down to the 10% specification limit.

Temperature Accuracy: $\pm 1^\circ\text{F}$ between -40°F and $+110^\circ\text{F}$, $\pm 2^\circ\text{F}$ between $+110^\circ\text{F}$ & $+150^\circ\text{F}$.

Type of Calibration: Used Instrument
Final Calibration Status: Meets Specifications

<u>Humidity Reference</u>	<u>Calibration Date</u>	<u>Expiration Date</u>	<u>Serial #:</u>
General Eastern M4-RH	26-FEB-2007	26-FEB-2008	1890499

<u>Temperature Reference</u>	<u>Calibration Date</u>	<u>Expiration Date</u>	<u>Serial #:</u>
Vaisala HMP-233	26-MAY-2006	26-MAY-2007	X1530026

This instrument has been calibrated to specifications using a reference traceable to the National Institute of Standards and Technology (NIST). Davis Instruments Corp. certifies that this instrument meets or exceeds published measurement specifications (unless otherwise noted). Calibration records for inspection, measuring, and test equipment are maintained.

I certify that this hygrothermometer has been inspected and tested in accordance with the Davis Instruments Corp. quality assurance program.

SIGNED H.C. Jung DATE 5-15-07

