

Oneida County AIS
Oneida County Land & Water Conservation Department
Grant ID AEPP 573-19

**2019 DO Meter
Calibration Records**

Oneida County AIS

CLMN Handheld D.O. / Conductivity Meter Calibration Log

Refer to meter manual for complete calibration instructions
Never accept "out-of-range" calibration results

Calibration Date: 6-13-19 Technician: Stephanie Bozimer

Model and Serial Number: HACH HQ30d Handheld software Version: _____
Serial # 10050004220 Purchased in 2010

Warm-up time: (min) _____

Temp reading: °C or °F _____ (in calibration chamber)

Specific Conductance: (Conductivity standard used should be 1,000 uS/cm or higher)

Value in saturated air: _____ (Acceptable is less than 1 uS/cm, refer to manual for cleaning)

Calibration standard: _____ Pre cal: (uS/cm) _____ Post cal: (uS/cm) _____

Uncorrected Barometric pressure OR Altitude for meters without a barometer

Uncorrected BP: (mm) _____ OR Altitude in (ft) _____ (see Uncorrecting BP guidance)

D.O. - Optical Dissolved Oxygen type sensor

Membrane changed: Y Surface condition of ODO membrane: Good Scratches in black sensor cap surface (light leaking?): Y

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) 95.4%

After cal (% sat) 100%

Post cal drift % sat. _____ (must be within 1 % of after cal value, 10 minutes after calibration)

(mg/L) 8.76

(mg/L) 7.83

(offset calibration 0.0091)
Stephanie Bozimer

OR

D.O. - Electrochemical type sensor (cap membrane and KCl solution)

Membrane changed: Y N If changed; silver anode and gold cathode tarnished? Y N

Matches color entered in meter: Y N

Did you refurbish? Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) _____

After cal (% sat) _____

Post cal drift % sat. _____ (must be within 2 % of after cal value, 10 minutes after calibration)

(mg/L) _____

(mg/L) _____

Additional comments:

Oneida County AIS

CLMN Handheld D.O. / Conductivity Meter Calibration Log

Refer to meter manual for complete calibration instructions
Never accept "out-of-range" calibration results

Calibration Date: 06/19/19 Technician: Isaac Benz

Model and Serial Number: HACH HQ30d Handheld software Version: _____
Serial #10050004220 Purchased in 2010

Warm-up time: (min) _____

Temp reading: °C or °F _____ (in calibration chamber)

Specific Conductance: (Conductivity standard used should be 1,000 uS/cm or higher)

Value in saturated air: _____ (Acceptable is less than 1 uS/cm, refer to manual for cleaning)

Calibration standard: _____ Pre cal: (uS/cm) _____ Post cal: (uS/cm) _____

Uncorrected Barometric pressure OR Altitude for meters without a barometer

Uncorrected BP: (mm) _____ OR Altitude in (ft) _____ (see Uncorrecting BP guidance)

D.O. - Optical Dissolved Oxygen type sensor

Membrane changed: Y N Surface condition of ODO membrane: _____

Scratches in black sensor cap surface (light leaking?): Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) 8.10 mg/L After cal (% sat) 7.68 Post cal drift % sat. _____ (must be within 1 % of after cal value, 10 minutes after calibration)

(mg/L) _____ (mg/L) _____

OR

D.O. - Electrochemical type sensor (cap membrane and KCl solution) Color of membrane cap: _____

Matches color entered in meter: Y N

Membrane changed: Y N If changed, silver anode and gold cathode tarnished? Y N

Did you refurbish? Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) _____ After cal (% sat) _____ Post cal drift % sat. _____ (must be within 2 % of after cal value, 10 minutes after calibration)

(mg/L) _____ (mg/L) _____

Additional comments:

Oneida County AIS

CLMN Handheld D.O. / Conductivity Meter Calibration Log

Refer to meter manual for complete calibration instructions
Never accept "out-of-range" calibration results

Calibration Date: 6/20/2019 Technician: Laura Rodke

Model and Serial Number: HRCH H430d Handheld software Version: _____
Serial #10050004a0 Purchased in 2010

Warm-up time: (min) _____

Temp reading: °C or °F _____ (in calibration chamber)

Specific Conductance: (Conductivity standard used should be 1,000 uS/cm or higher)

Value in saturated air: _____ (Acceptable is less than 1 uS/cm, refer to manual for cleaning)

Calibration standard: _____ Pre cal: (uS/cm) _____ Post cal: (uS/cm) _____

Uncorrected Barometric pressure OR Altitude for meters without a barometer

Uncorrected BP: (mm) _____ OR Altitude in (ft) _____ (see *Uncorrecting BP guidance*)

D.O. - Optical Dissolved Oxygen type sensor

Membrane changed: Y N Surface condition of ODO membrane: _____

Scratches in black sensor cap surface (light leaking?): Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) _____ After cal (% sat) 100

(mg/L) 7.85 (mg/L) 7.46

Post cal drift % sat. _____ (must be within 1 % of *after cal* value, 10 minutes after calibration)

OR

D.O. - Electrochemical type sensor (cap membrane and KCl solution)

Matches color entered in meter: Y N

Membrane changed: Y N If changed, silver anode and gold cathode tarnished? Y N

Did you refurbish? Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) _____ After cal (% sat) _____

(mg/L) _____ (mg/L) _____

Post cal drift % sat. _____ (must be within 2 % of *after cal* value, 10 minutes after calibration)

Additional comments:

Oncida County AIS

CLMN Handheld D.O. / Conductivity Meter Calibration Log

Refer to meter manual for complete calibration instructions
Never accept "out-of-range" calibration results

Calibration Date: 06/27/19 Technician: Jesse Benz

Model and Serial Number: HACH HQ30D Handheld software Version: _____
Serial # 10050004200 Purchased in 2010

Warm-up time: (min) _____

Temp reading: °C or °F _____ (in calibration chamber)

SNP (Specific Conductance: (Conductivity standard used should be 1,000 uS/cm or higher)

Value in saturated air: _____ (Acceptable is less than 1 uS/cm, refer to manual for cleaning)

Calibration standard: _____ Pre cal: (uS/cm) _____ Post cal: (uS/cm) _____

Uncorrected Barometric pressure OR Altitude for meters without a barometer

Uncorrected BP: (mm) _____ OR Altitude in (ft) _____ (see *Uncorrecting BP guidance*)

D.O. - Optical Dissolved Oxygen type sensor

Membrane changed: Y N Surface condition of ODO membrane: _____

Scratches in black sensor cap surface (light leaking?): Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) 104.1%

After cal (% sat) 100.0%

Post cal drift % sat. _____ (must be within 1 % of *after cal* value, 10 minutes after calibration)

(mg/L) 8.62

(mg/L) 8.14

OR

D.O. - Electrochemical type sensor (cap membrane and KCl solution) Color of membrane cap: _____

Matches color entered in meter: Y N

Membrane changed: Y N If changed; silver anode and gold cathode tarnished? Y N

Did you refurbish? Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) _____

After cal (% sat) _____

Post cal drift % sat. _____ (must be within 2 % of *after cal* value, 10 minutes after calibration)

(mg/L) _____

(mg/L) _____

Additional comments:

Oneida County AIS

CLMN Handheld D.O. / Conductivity Meter Calibration Log

Refer to meter manual for complete calibration instructions
Never accept "out-of-range" calibration results

Calibration Date: 07/10/11 Technician: Isaac Benz

Model and Serial Number: HRCH HQ30d Handheld software Version: _____
Serial # 10050004a0 Purchased in 2010

Warm-up time: (min) _____

Temp reading: °C or °F _____ (in calibration chamber)

Specific Conductance: (Conductivity standard used should be 1,000 uS/cm or higher)

Value in saturated air: _____ (Acceptable is less than 1 uS/cm, refer to manual for cleaning)

Calibration standard: _____ Pre cal: (uS/cm) _____ Post cal: (uS/cm) _____

Uncorrected Barometric pressure OR Altitude for meters without a barometer

Uncorrected BP: (mm) _____ OR Altitude in (ft) _____ (see *Uncorrecting BP guidance*)

D.O. - Optical Dissolved Oxygen type sensor

Membrane changed: Y N Surface condition of ODO membrane: _____

Scratches in black sensor cap surface (light leaking?): Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) 103.1% After cal (% sat) 100.0% Post cal drift % sat. _____ (must be within 1 % of *after cal* value, 10 minutes after calibration)

(mg/L) 8.30 (mg/L) 7.87

OR

D.O. - Electrochemical type sensor (cap membrane and KCl solution)

Matches color entered in meter: Y N

Membrane changed: Y N if changed; silver anode and gold cathode tarnished? Y N Did you refurbish? Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) _____ After cal (% sat) _____ Post cal drift % sat. _____ (must be within 2 % of *after cal* value, 10 minutes after calibration)

(mg/L) _____ (mg/L) _____

Additional comments:

Oneida County AIS

CLMN Handheld D.O. / Conductivity Meter Calibration Log

Refer to meter manual for complete calibration instructions
Never accept "out-of-range" calibration results

Calibration Date: 07/17/2009 Technician: Lauren Radtke

Model and Serial Number: HACH HQ30d Handheld software Version: _____
Serial # 10050004200 Purchased in 2010

Warm-up time: (min) _____

Temp reading: °C or °F _____ (in calibration chamber)

Specific Conductance: (Conductivity standard used should be 1,000 uS/cm or higher)

Value in saturated air: _____ (Acceptable is less than 1 uS/cm, refer to manual for cleaning)

Calibration standard: _____ Pre cal: (uS/cm) _____ Post cal: (uS/cm) _____

Uncorrected Barometric pressure OR Altitude for meters without a barometer

Uncorrected BP: (mm) _____ OR Altitude in (ft) _____ (see Uncorrecting BP guidance)

D.O. - Optical Dissolved Oxygen type sensor

Membrane changed: Y N Surface condition of ODO membrane: _____

Scratches in black sensor cap surface (light leaking?): Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) 100.8 After cal (% sat) 100 Post cal drift % sat. _____ (must be within 1 % of after cal value, 10 minutes after calibration)

(mg/L) 8.12 (mg/L) 8.04

OR

D.O. - Electrochemical type sensor (cap membrane and KCl solution) Color of membrane cap: _____

Matches color entered in meter: Y N

Membrane changed: Y N If changed, silver anode and gold cathode tarnished? Y N

Did you refurbish? Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) _____ After cal (% sat) _____ Post cal drift % sat. _____ (must be within 2 % of after cal value, 10 minutes after calibration)

(mg/L) _____ (mg/L) _____

Additional comments:

Refer to meter manual for complete calibration instructions
Never accept "out-of-range" calibration results

Calibration Date: 7/17/19 Technician: Laura Radtke

Model and Serial Number: HRCR HQ30d Handheld software Version: _____
Serial #10050004220 purchased in 2010

Warm-up time: (min) _____

Temp reading: °C or °F _____ (in calibration chamber)

Specific Conductance: (Conductivity standard used should be 1,000 uS/cm or higher)

Value in saturated air: _____ (Acceptable is less than 1 uS/cm, refer to manual for cleaning)

Calibration standard: _____ Pre cal: (uS/cm) _____ Post cal: (uS/cm) _____

Uncorrected Barometric pressure OR Altitude for meters without a barometer

Uncorrected BP: (mm) _____ OR Altitude in (ft) _____ (see Uncorrecting BP guidance)

D.O. - Optical Dissolved Oxygen type sensor

Membrane changed: Y N Surface condition of ODO membrane: _____

Scratches in black sensor cap surface (light leaking?): Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) 79.9% After cal (% sat) 100%
(mg/L) 7.24 (mg/L) 8.63

Post cal drift % sat. _____ (must be within 1 % of after cal value, 10 minutes after calibration)

OR

D.O. - Electrochemical type sensor (cap membrane and KCl solution)

Matches color entered in meter: Y N

Membrane changed: Y N If changed; silver anode and gold cathode tarnished? Y N
Did you refurbish? Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) _____ After cal (% sat) _____

Post cal drift % sat. _____ (must be within 2 % of after cal value, 10 minutes after calibration)

(mg/L) _____ (mg/L) _____

Additional comments:

Oneida County AIS

CLMN Handheld D.O. / Conductivity Meter Calibration Log

Refer to meter manual for complete calibration instructions
Never accept "out-of-range" calibration results

Calibration Date: 7/19/19 Technician: Aubrey Nycz

Model and Serial Number: HACH HQ30d Handheld software Version: _____
Serial # 10050004220 Purchased in 2010

Warm-up time: (min) _____

Temp reading: °C or °F _____ (in calibration chamber)

Specific Conductance: (Conductivity standard used should be 1,000 uS/cm or higher)

Value in saturated air: _____ (Acceptable is less than 1 uS/cm, refer to manual for cleaning)

Calibration standard: _____ Pre cal: (uS/cm) _____ Post cal: (uS/cm) _____

Uncorrected Barometric pressure OR Altitude for meters without a barometer

Uncorrected BP: (mm) _____ OR Altitude in (ft) _____ (see Uncorrecting BP guidance)

D.O. - Optical Dissolved Oxygen type sensor

Membrane changed: Y N Surface condition of ODO membrane: _____

Scratches in black sensor cap surface (light leaking?): Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) _____ After cal (% sat) 100% Post cal drift % sat. _____ (must be within 1 % of after cal value, 10 minutes after calibration)

(mg/L) _____ (mg/L) 8.15

OR

D.O. - Electrochemical type sensor (cap membrane and KCl solution)

Matches color entered in meter: Y N

Membrane changed: Y N If changed, silver anode and gold cathode tarnished? Y N

Did you refurbish? Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) _____ After cal (% sat) _____ Post cal drift % sat. _____ (must be within 2 % of after cal value, 10 minutes after calibration)

(mg/L) _____ (mg/L) _____

Additional comments:

7-22 15:32

Oneida County AIS

CLMN Handheld D.O. / Conductivity Meter Calibration Log

Refer to meter manual for complete calibration instructions
Never accept "out-of-range" calibration results

Calibration Date: 7-22-19 Technician: Stephanic Boisjumeau

Model and Serial Number: HACH HQ30d Handheld software Version: _____
Serial # 10050004220 purchased in 2010

Warm-up time: (min) _____

Temp reading: °C or °F _____ (in calibration chamber)

Specific Conductance: (Conductivity standard used should be 1,000 uS/cm or higher)

Value in saturated air: _____ (Acceptable is less than 1 uS/cm, refer to manual for cleaning)

Calibration standard: _____ Pre cal: (uS/cm) _____ Post cal: (uS/cm) _____

Uncorrected Barometric pressure OR Altitude for meters without a barometer

Uncorrected BP: (mm) _____ OR Altitude in (ft) _____ (see Uncorrecting BP guidance)

D.O. - Optical Dissolved Oxygen type sensor

Membrane changed: N Surface condition of ODO membrane: Excellent

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) _____ After cal (% sat) 100.0% Post cal drift % sat. _____ (must be within 1 % of after cal value, 10 minutes after calibration)

(mg/L) _____ (mg/L) 8.23 72.4°F Slope: 99.5%

Affset: 0.00 mg/L
28.46 in Hg

OR

D.O. - Electrochemical type sensor (cap membrane and KCl solution) Color of membrane cap: _____

Membrane changed: Y N If changed; silver anode and gold cathode tarnished? Y N

Matches color entered in meter: Y N

Did you refurbish? Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) _____ After cal (% sat) _____ Post cal drift % sat. _____ (must be within 2 % of after cal value, 10 minutes after calibration)

(mg/L) _____ (mg/L) _____

Additional comments:

Scratches in black sensor cap surface (light leaking?): Y N

Oneida County AIS

CLMN Handheld D.O. / Conductivity Meter Calibration Log

Refer to meter manual for complete calibration instructions
Never accept "out-of-range" calibration results

Calibration Date: 7/26/19 Technician: Stephanic Boisjeman

Model and Serial Number: HRCH HQ30d Handheld software Version: _____
Serial # 10050004320 purchased in 2010

Warm-up time: (min) _____

Temp reading: °C or °F 68.2 (in calibration chamber)

Specific Conductance: (Conductivity standard used should be 1,000 uS/cm or higher)

Value in saturated air: _____ (Acceptable is less than 1 uS/cm, refer to manual for cleaning)

Calibration standard: _____ Pre cal: (uS/cm) _____ Post cal: (uS/cm) _____

Uncorrected Barometric pressure OR Altitude for meters without a barometer

Uncorrected BP: (mm) _____ OR Altitude in (ft) _____ (see Uncorrecting BP guidance)

D.O. - Optical Dissolved Oxygen type sensor

Membrane changed: Y (N) Surface condition of ODO membrane: good

Scratches in black sensor cap surface (light leaking?): Y (N)

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) _____ After cal (% sat) 100.0% Post cal drift % sat. _____ (must be within 1 % of after cal value, 10 minutes after calibration)

(mg/L) _____ (mg/L) 8.60 Slope 98.9%
OR _____ °F 68.2 Offset 0.00 mg/L
28.40 in Hg

D.O. - Electrochemical type sensor (cap membrane and KCl solution)

Membrane changed: Y N If changed; silver anode and gold cathode tarnished? Y N Color of membrane cap: _____ Matches color entered in meter: Y N
Did you refurbish? Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) _____ After cal (% sat) _____ Post cal drift % sat. _____ (must be within 2 % of after cal value, 10 minutes after calibration)

(mg/L) _____ (mg/L) _____

Additional comments:

Oneida County AIS

CLMN Handheld D.O. / Conductivity Meter Calibration Log

Refer to meter manual for complete calibration instructions
Never accept "out-of-range" calibration results

Calibration Date: 7/3/2019 Technician: Lauren Radtke

Model and Serial Number: HACH HQ30d Handheld software Version: _____
Serial #10050004220 purchased in 2010

Warm-up time: (min) _____

Temp reading: °C or °F _____ (in calibration chamber)

STP Specific Conductance: (Conductivity standard used should be 1,000 uS/cm or higher)

Value in saturated air: _____ (Acceptable is less than 1 uS/cm, refer to manual for cleaning)

Calibration standard: _____ Pre cal: (uS/cm) _____ Post cal: (uS/cm) _____

Uncorrected Barometric pressure OR Altitude for meters without a barometer

Uncorrected BP: (mm) _____ OR Altitude in (ft) _____ (see Uncorrecting BP guidance)

D.O. - Optical Dissolved Oxygen type sensor

Membrane changed: Y N Surface condition of ODO membrane: _____

Scratches in black sensor cap surface (light leaking?): Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) 86.9%

After cal (% sat) 100% (must be within 1 % of after cal value, 10 minutes after calibration)

(mg/L) 7.14 (mg/L) 8.20

OR

D.O. - Electrochemical type sensor (cap membrane and KCl solution)

Matches color entered in meter: Y N

Membrane changed: Y N If changed; silver anode and gold cathode tarnished? Y N

Did you refurbish? Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) _____

After cal (% sat) _____ (must be within 2 % of after cal value, 10 minutes after calibration)

(mg/L) _____ (mg/L) _____

Additional comments:

Oneida County AIS

CLMN Handheld D.O. / Conductivity Meter Calibration Log

Refer to meter manual for complete calibration instructions
Never accept "out-of-range" calibration results

Calibration Date: 8/1/2016 Technician: Lauren Radtke

Model and Serial Number: HACH HQ30d Handheld software Version: _____
Serial # 10050004220 Purchased in 2010

Warm-up time: (min) _____

Temp reading: °C or °F _____ (in calibration chamber)

5.12 (Specific Conductance: (Conductivity standard used should be 1,000 uS/cm or higher)

Value in saturated air: _____ (Acceptable is less than 1 uS/cm, refer to manual for cleaning)

Calibration standard: _____ Pre cal: (uS/cm) _____ Post cal: (uS/cm) _____

Uncorrected Barometric pressure OR Altitude for meters without a barometer

Uncorrected BP: (mm) _____ OR Altitude in (ft) _____ (see Uncorrecting BP guidance)

D.O. - Optical Dissolved Oxygen type sensor

Membrane changed: Y N Surface condition of ODO membrane: _____

Scratches in black sensor cap surface (light leaking?): Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) 96.3% After cal (% sat) 100% Post cal drift % sat. _____ (must be within 1 % of after cal value, 10 minutes after calibration)

(mg/L) 7.89 (mg/L) 8.19

OR

D.O. - Electrochemical type sensor (cap membrane and KCl solution)

Matches color entered in meter: Y N

Membrane changed: Y N If changed; silver anode and gold cathode tarnished? Y N

Did you refurbish? Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) _____ After cal (% sat) _____ Post cal drift % sat. _____ (must be within 2 % of after cal value, 10 minutes after calibration)

(mg/L) _____ (mg/L) _____

Additional comments:

Oneida County AIS

CLMN Handheld D.O. / Conductivity Meter Calibration Log

Refer to meter manual for complete calibration instructions
Never accept "out-of-range" calibration results

Calibration Date: 8/14/19 Technician: Laura Radtke

Model and Serial Number: HACH HQ30d Handheld software Version: _____
Serial # 10050004220 Purchased in 2010

Warm-up time: (min) _____

Temp reading: °C or °F _____ (in calibration chamber)

SP4 Specific Conductance: (Conductivity standard used should be 1,000 uS/cm or higher)

Value in saturated air: _____ (Acceptable is less than 1 uS/cm, refer to manual for cleaning)

Calibration standard: _____ Pre cal: (uS/cm) _____ Post cal: (uS/cm) _____

Uncorrected Barometric pressure OR Altitude for meters without a barometer

Uncorrected BP: (mm) _____ OR Altitude in (ft) _____ (see Uncorrecting BP guidance)

D.O. - Optical Dissolved Oxygen type sensor

Membrane changed: Y N Surface condition of ODO membrane: _____

Scratches in black sensor cap surface (light leaking?): Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) 94.4%

After cal (% sat) 100%

Post cal drift % sat. _____ (must be within 1 % of after cal value, 10 minutes after calibration)

(mg/L) 8.28

(mg/L) 9.45

OR

D.O. - Electrochemical type sensor (cap membrane and KCl solution)

Matches color entered in meter: Y N

Membrane changed: Y N If changed; silver anode and gold cathode tarnished? Y N

Did you refurbish? Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) _____ After cal (% sat) _____

Post cal drift % sat. _____ (must be within 2 % of after cal value, 10 minutes after calibration)

(mg/L) _____

(mg/L) _____

Additional comments:

Oneida County AIS

CLMN Handheld D.O. / Conductivity Meter Calibration Log

Refer to meter manual for complete calibration instructions
Never accept "out-of-range" calibration results

Calibration Date: 8/22/2019 Technician: Lauren Radtke

Model and Serial Number: HRCH H030 Handheld software Version: _____
Serial # 10050004220 Purchased in 2010

Warm-up time: (min) _____

Temp reading: °C or °F _____ (in calibration chamber)

5.4 **Specific Conductance:** (Conductivity standard used should be 1,000 uS/cm or higher)

Value in saturated air: _____ (Acceptable is less than 1 uS/cm, refer to manual for cleaning)

Calibration standard: _____ Pre cal: (uS/cm) _____ Post cal: (uS/cm) _____

Uncorrected Barometric pressure OR Altitude for meters without a barometer

Uncorrected BP: (mm) _____ OR Altitude in (ft) _____ (see Uncorrecting BP guidance)

D.O. - Optical Dissolved Oxygen type sensor

Membrane changed: Y N Surface condition of ODO membrane: _____

Scratches in black sensor cap surface (light leaking?): Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) 95.4%

Post cal drift % sat. _____ (must be within 1 % of after cal value, 10 minutes after calibration)

(mg/L) 8.76

(mg/L) 9.38

OR

D.O. - Electrochemical type sensor (cap membrane and KCl solution)

Color of membrane cap: _____ Matches color entered in meter: Y N

Membrane changed: Y N If changed, silver anode and gold cathode tarnished? Y N

Did you refurbish? Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) _____ After cal (% sat) _____

Post cal drift % sat. _____ (must be within 2 % of after cal value, 10 minutes after calibration)

(mg/L) _____

(mg/L) _____

Additional comments:

Oneida County AIS

CLMN Handheld D.O. / Conductivity Meter Calibration Log

Refer to meter manual for complete calibration instructions
Never accept "out-of-range" calibration results

Calibration Date: 8/27/19 Technician: Stephanie Boisjourné

Model and Serial Number: HACH HQ30d Handheld software Version: _____
Serial # 10050004220 Purchased in 2010

Warm-up time: (min) _____

Temp reading: °C or °F _____ (in calibration chamber)

Specific Conductance: (Conductivity standard used should be 1,000 uS/cm or higher)

Value in saturated air: _____ (Acceptable is less than 1 uS/cm, refer to manual for cleaning)

Calibration standard: _____ Pre cal: (uS/cm) _____ Post cal: (uS/cm) _____

Uncorrected Barometric pressure OR Altitude for meters without a barometer

Uncorrected BP: (mm) _____ OR Altitude in (ft) _____ (see Uncorrecting BP guidance)

D.O. - Optical Dissolved Oxygen type sensor

Membrane changed: Y Surface condition of ODO membrane: Good Scratches in black sensor cap surface (light leaking?): Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) _____ After cal (% sat) 100% Post cal drift % sat. _____ (must be within 1% of after cal value, 10 minutes after calibration)

(mg/L) _____ (mg/L) 8.64

OR: Temp 66.7°F, 28.05 inHg, Slope 96.6%, offset 0.00 mg/L

D.O. - Electrochemical type sensor (cap membrane and KCl solution) Color of membrane cap: _____

Membrane changed: Y N If changed; silver anode and gold cathode tarnished? Y N Matches color entered in meter: Y N
Did you refurbish? Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) _____ After cal (% sat) _____

(mg/L) _____ (mg/L) _____

Post cal drift % sat. _____ (must be within 2% of after cal value, 10 minutes after calibration)

Additional comments:

Oneida County AIS

CLMN Handheld D.O. / Conductivity Meter Calibration Log

Refer to meter manual for complete calibration instructions
Never accept "out-of-range" calibration results

Calibration Date: 9/3/19 Technician: Lauren Rodtke

Model and Serial Number: HACH HQ30 Handheld software Version: _____
Serial # 10050004220 Purchased in 2010

Warm-up time: (min) _____

Temp reading: °C or °F _____ (in calibration chamber)

Specific Conductance: (Conductivity standard used should be 1,000 uS/cm or higher)

Value in saturated air: _____ (Acceptable is less than 1 uS/cm, refer to manual for cleaning)

Calibration standard: _____ Pre cal: (uS/cm) _____ Post cal: (uS/cm) _____

Uncorrected Barometric pressure OR Altitude for meters without a barometer

Uncorrected BP: (mm) _____ OR Altitude in (ft) _____ (see Uncorrecting BP guidance)

D.O. - Optical Dissolved Oxygen type sensor

Membrane changed: Y N Surface condition of ODO membrane: _____

Scratches in black sensor cap surface (light leaking?): Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) 99.9%

Post cal drift % sat. _____ (must be within 1 % of after cal value, 10 minutes after calibration)

(mg/L) 8.29 (mg/L) 8.18

OR

D.O. - Electrochemical type sensor (cap membrane and KCl solution)

Matches color entered in meter: Y N

Membrane changed: Y N If changed; silver anode and gold cathode tarnished? Y N

Did you refurbish? Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) _____

Post cal drift % sat. _____ (must be within 2 % of after cal value, 10 minutes after calibration)

(mg/L) _____ (mg/L) _____

Additional comments:

Refer to meter manual for complete calibration instructions
Never accept "out-of-range" calibration results

Calibration Date: 9/23/2019 Technician: Laura Rodtko

Model and Serial Number: HACH HQ30d Handheld software Version: _____
Serial # 10050004a0 Purchased in 2010

Warm-up time: (min) _____

Temp reading: °C or °F _____ (in calibration chamber)

Specific Conductance: (Conductivity standard used should be 1,000 uS/cm or higher)

Value in saturated air: _____ (Acceptable is less than 1 uS/cm, refer to manual for cleaning)

Calibration standard: _____ Pre cal: (uS/cm) _____ Post cal: (uS/cm) _____

Uncorrected Barometric pressure OR Altitude for meters without a barometer

Uncorrected BP: (mm) _____ OR Altitude in (ft) _____ (see *Uncorrecting BP guidance*)

D.O. - Optical Dissolved Oxygen type sensor

Membrane changed: Y N Surface condition of ODO membrane: _____

Scratches in black sensor cap surface (light leaking?): Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) 100.2% After cal (% sat) 100% (must be within 1 % of *after cal* value, 10 minutes after calibration)

(mg/L) 7.03 (mg/L) 8.35

OR

D.O. - Electrochemical type sensor (cap membrane and KCl solution) Color of membrane cap: _____

Matches color entered in meter: Y N

Membrane changed: Y N If changed; silver anode and gold cathode tarnished? Y N

Did you refurbish? Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) _____ After cal (% sat) _____ (must be within 2 % of *after cal* value, 10 minutes after calibration)

(mg/L) _____ (mg/L) _____

Additional comments:

Refer to meter manual for complete calibration instructions
Never accept "out-of-range" calibration results

Calibration Date: 9/26/19 Technician: Laura Radtke

Model and Serial Number: HACH HQ30d Handheld software Version: _____
Serial #10050004320 purchased in 2010

Warm-up time: (min) _____

Temp reading: °C or °F _____ (in calibration chamber)

Specific Conductance: (Conductivity standard used should be 1,000 uS/cm or higher)

Value in saturated air: _____ (Acceptable is less than 1 uS/cm, refer to manual for cleaning)

Calibration standard: _____ Pre cal: (uS/cm) _____ Post cal: (uS/cm) _____

Uncorrected Barometric pressure OR Altitude for meters without a barometer

Uncorrected BP: (mm) _____ OR Altitude in (ft) _____ (see Uncorrecting BP guidance)

D.O. - Optical Dissolved Oxygen type sensor

Membrane changed: Y N Surface condition of ODO membrane: _____

Scratches in black sensor cap surface (light leaking?): Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) 96.8% After cal (% sat) 100% Post cal drift % sat. _____ (must be within 1 % of after cal value, 10 minutes after calibration)

(mg/L) 8.85 (mg/L) 9.27

OR

D.O. - Electrochemical type sensor (cap membrane and KCl solution) Color of membrane cap: _____

Matches color entered in meter: Y N

Membrane changed: Y N If changed, silver anode and gold cathode tarnished? Y N

Did you refurbish? Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) _____ After cal (% sat) _____ Post cal drift % sat. _____ (must be within 2 % of after cal value, 10 minutes after calibration)

(mg/L) _____ (mg/L) _____

Additional comments:

Oneida County AIS

CLMN Handheld D.O. / Conductivity Meter Calibration Log

Refer to meter manual for complete calibration instructions
Never accept "out-of-range" calibration results

Calibration Date: 10/2/2019 Technician: Layden Rodke

Model and Serial Number: HACH HQ30d Handheld software Version: _____
Serial # 10050004300 Purchased in 2010

Warm-up time: (min) _____

Temp reading: °C or °F _____ (in calibration chamber)

(S) Specific Conductance: (Conductivity standard used should be 1,000 uS/cm or higher)

Value in saturated air: _____ (Acceptable is less than 1 uS/cm, refer to manual for cleaning)

Calibration standard: _____ Pre cal: (uS/cm) _____ Post cal: (uS/cm) _____

Uncorrected Barometric pressure OR Altitude for meters without a barometer

Uncorrected BP: (mm) _____ OR Altitude in (ft) _____ (see Uncorrecting BP guidance)

D.O. - Optical Dissolved Oxygen type sensor

Membrane changed: Y N Surface condition of ODO membrane: _____

Scratches in black sensor cap surface (light leaking?): Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) 99.2 After cal (% sat) 100 Post cal drift % sat. _____ (must be within 1 % of after cal value, 10 minutes after calibration)

(mg/L) 8.28 (mg/L) 8.35

OR

D.O. - Electrochemical type sensor (cap membrane and KCl solution) Color of membrane cap: _____

Matches color entered in meter: Y N

Membrane changed: Y N If changed, silver anode and gold cathode tarnished? Y N

Did you refurbish? Y N

% saturation calibration value: _____ (from instrument)

Pre cal (% sat) _____ After cal (% sat) _____ Post cal drift % sat. _____ (must be within 2 % of after cal value, 10 minutes after calibration)

(mg/L) _____ (mg/L) _____

Additional comments: