

INSTRUCTIONAL EQUIPMENT REQUEST

2016-2017

Internal Use

IE #: FALL - 59

Total \$: 564.42

RECEIVED

DEC 02 2016

Requester Name: David Everett

Division Name: MSEPS

SECTION 1: SUMMARY INFORMATION

Brief Title of the Request:

Hannah Instruments Bluetooth/wireless pH meters

Equipment Location Building: 800

Room: Enology Prep Lab

SECTION 2: EQUIPMENT DESCRIPTION

The equipment is: A Replacement An Upgrade New Equipment/Technology

Describe the specific equipment requested and how it will be used to replace, upgrade or provide new technology to LPC from what is currently in place:

This is cutting edge technology for our students to use when measuring the pH of solutions. This level of equipment is currently in place at most modern winemaking facilities and our students need experience with this type of technology. It is wireless so you are not tethered to a desktop device. It has logging capabilities through an app that works with your wireless device.

If applicable, describe the legal requirement, mandate, or safety concern for purchase of this equipment, making specific reference to the legal requirement or regulation:

N/A

SECTION 3: LPC MISSION STATEMENT AND LPC PLANNING PRIORITIES

LPC MISSION STATEMENT:

LPC is an inclusive learning-centered institution providing educational opportunities and support for completion of students' transfer, degree, basic skills, career-technical, and retraining goals.

LPC PLANNING PRIORITIES:

- ❖ Establish regular and ongoing processes to implement best practices to meet ACCJC standards.
- ❖ Provide necessary institutional support for curriculum development and maintenance.
- ❖ Develop processes to facilitate ongoing meaningful assessment of SLOs and integrate assessment of SLOs into college processes.
- ❖ Expand tutoring services to meet demand and support student success in Basic Skills, CTE, and Transfer courses.

Specify how the equipment supports *LPC's Mission Statement and Planning Priorities*:

Modernizing our current equipment proves we are a learning centered college program, supporting our students needs of being provided with the most modern instructional equipment and technology available. This equipment supports the most current, industry based retraining goals including basic skills and career-technical training goals.

SECTION 4: EDUCATIONAL ITEMS – PROGRAM REVIEW

Specify the educational programs this equipment supports:

This equipment will support an entire program. The measurement of pH is instructed on all enology and viticulture focused classes as well as vineyard soils for measuring soil pH. The mobility of this device will be invaluable in the vineyard. Critical thinking is involved through the process of knowing why, when, and how to measure pH. The classes directly impacted will be VWT 20, 41, 42 (enology centric) and VWT 10, 31, 32 and 12. This device will offer astounding lab opportunities to these students in particularly with the added value of experience that would serve them well in the work force.

If this equipment is included in your Program Review, please include the exact wording. If equipment is not included, explain why:

VWT: As a career technical education (CTE) program it is critical that students gain hands on experience with the equipment that they will be expected to use in their future places of employment. Informal assessments have shown that recently acquired instructional equipment have significantly improved student learning and employability in the industry. The viticulture and Enology field changes day to day and keeping up with new technology, R&D, trends and new equipment is critical to the success of the VWT program. To pursue updated, upgraded, modernized instructional equipment. CTE driven programs RELY on safe, modern, equipment to instruct with. It is critical to the success of the students. The VWT student requires that the knowledge gained in the classroom will ensure employability

SECTION 5: TEACHING AND LEARNING

Describe in detail the impact this equipment will have on teaching:

Teaching quality control though the use of modern equipment allows us to perform is a critical component of instruction that is in place in the VWT program: Quality Control. Without this modern equipment, instruction would suffer. Successful winemaking is based on many facets of quality control. We have tooled the curriculum to focus on techniques of fine wine making which certainly includes the requirement of checking pH. Not committing to modern technology could be viewed as unprofessional and reflect poorly on the level of instruction practiced in the classrooms and labs. Without it we could only use pictures and virtual teaching with no hands-on instruction. This would be a bad thing.

Describe in detail the impact this equipment will have on learning:

We base our instruction not only on technical information shared in the classroom but with hands-on learning labs. Hands-on labs require tangible, instructional equipment. We have in place equipment that performs this function (desktop) and this mobile upgrade will prove to be invaluable in supporting and enhancing pH measuring SOP's. Students expect this infrastructure to be in place to witness what takes place in the real world of a working winery. The students expect to be instructed on the operation of specific equipment connected to successful wine making. This is not our standard to send graduates into the work force with zero experience in such a practiced component in wine production.

Each academic year, this equipment will impact: 9 # of classes/sections 200 # of students

SECTION 6: OUTCOMES (SLOs)

Using your documented SLOs, specify how the equipment will enable student learning outcomes to be achieved?

Winery Operations and Vineyard Operations outcomes are directly impacted. This instructional equipment supports the discipline of quality control using modern equipment which is a component of a number of classes curriculum. Specifically, keeping wine stable and protected through the measurement of pH

What are the consequences related to learning outcomes if request is not funded?

If not acquired, LPC will unfortunately fall short on the student's hopes, dreams and expectations. Indirectly, a lack of a quality product for instruction could negatively impact a number of other VWT classes. We do not wish to produce poor wine that will inevitably represent the level instruction here at LPC.

SECTION 7: TOTAL COST OF OWNERSHIP (FINANCIAL & SUSTAINABILITY)

What is the potential life span of the requested equipment?

pH probes typically last about 5 years or so depending on how they are treated.

If new storage is needed, describe the storage, location, and costs: (Specific storage costs should be detailed in the "Part A: Initial Start-up Costs" section below.)

No storage is needed

What will be required to maintain the equipment, such as regular servicing or upkeep? (Specific on-going costs should be detailed in the "Part B: On-Going Annual Operating Costs" sections below as applicable.)

The pH meters require periodic maintenance such as cleaning and refilling electrolyte solution. The VWT program is prepared to supply solutions with budget monies.

Explain how this equipment meets or exceeds basic sustainability efforts and/or provides renewable resources to the college:

N/A

Part A: Initial Start-up Costs

| <u>Item</u> | <u>Cost</u> | <u>Comments</u> |
|-------------------------------|---------------|-----------------|
| Equipment or Materials | 578.00 | |
| Taxes (9.5%) | 44.22 | |
| Shipping or Delivery Charge | 0.00 | |
| Installation Costs * | 0.00 | |
| Miscellaneous Costs: | 0.00 | |
| Facilities Modifications | 0.00 | |
| Operator Training | 0.00 | |
| Maintenance & Repair Training | 0.00 | |
| Other: | 0.00 | |
| Vendor Discount | 57.80 | |
| Grand Total: | 564.82 | |

Part B: On-Going Annual Operating Costs

| <u>Item</u> | <u>Cost</u> | <u>Comments</u> |
|--|-------------|-----------------|
| Annual Service or Maintenance | 0.00 | |
| Estimated Parts Replacement Per Year | 0.00 | |
| Outside Standardization or Calibration Costs | 0.00 | |
| Storage Costs | 0.00 | |
| New Supply Costs | 0.00 | |
| Miscellaneous Costs: | 0.00 | |
| Maintenance & Repair Labor | 0.00 | |
| Other: | 0.00 | |
| Annual Operating Costs: | 0.00 | |

Indicate the source of funding for on-going annual operating costs:

If needed, funding will be provided by the VWT operating budget monies

Part C: Incremental Labor Costs

OPERATOR:

Coordinator

Indicate the key operator: Program director/faculty

Is this in their current scope of duties? Yes

Indicate cost to train key operator (include in Initial Start-up Costs above): 0

Indicate amount of time per month key operator will use equipment: potentially every working day

MAINTENANCE & REPAIRS:

Indicate the person performing maintenance and repairs: instructor and classified support lab-tech

Is this in their current scope of duties? yes

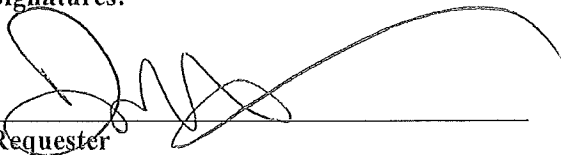
Indicate cost to train for maintenance and repairs: 0

Indicate amount of time per month maintenance will be required: N/A

SECTION 8: APPROVALS

Funded requesters will be expected to respond to a brief RAC feedback survey by a requested deadline. Requests for computer-related equipment and printers must be reviewed by the LPC IT Department.

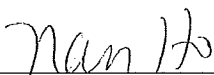
Signatures:


Requester


10/15/16
Date

IT Department (if required)

Date


Dean/Manager

10-17-16
Date


Vice President

12-3-16
Date



Hanna Instruments United States, Inc.
 584 Park East Drive
 Woonsocket RI 02895
 United States
 1-800-426-6287

Quote

#100048584

10/17/2016

Las Positas College
 David Everett
 2336 Wayfarer Drive
 Discovery Bay CA 94505
 United States

TOTAL

\$564.42

Quote Expires: 11/16/2016

Sales Rep
 Jason Pepper

Email
jpepper@hannainst.com

Phone #
 (916) 207-0525

| Quantity | Item Description | MSRP | Adjustments | Total |
|----------|--|----------|-------------|----------|
| 2 | HI10482 Halo - Bluetooth Digital pH/Temperature Electrode for Wine (Glass Body) | \$225.00 | | \$450.00 |
| 2 | HI5003 3.00 pH Value @25°C, (1) 500 mL bottle | \$22.00 | | \$44.00 |
| 2 | HI7007L 7.01 pH Value @25°C, 500 mL bottle | \$14.00 | | \$28.00 |
| 2 | HI7004L 4.01 pH Value @25°C, 500 mL bottle | \$14.00 | | \$28.00 |
| 2 | HI7010L 10.01 pH (@25°C) Standard Calibration Solution, 500 mL bottle | \$14.00 | | \$28.00 |

| | |
|---------------------------|-----------|
| Subtotal | \$578.00 |
| Adjustments | (\$57.80) |
| Est. Shipping Cost | \$0.00 |
| Tax Total (%) | \$44.22 |
| Total | \$564.42 |

Note: *** Total Shipping charges will be calculated at time of shipment. ***



100048584

