

SCAN HERE



PR-2023-0105-84930



Republic of the Philippines  
**VISAYAS STATE UNIVERSITY**  
 Visca, Baybay City, Leyte

## PURCHASE REQUEST

PPMP No. : 185-1-1469-2023-10-0-0

PR No.: STF-2023-01-00006

Date: 01-05-2023

Dept./Office: OHILE

Category: **Laboratory  
Equipment**

Section/End-User: **Rannie B. Veril**Project Title/Code: **OHILE-2023**Funding Source: **Special Trust Fund**

| Item # | Item Description                                  | Unit | Qty | Unit Cost | PAR/ICS | Total Cost |
|--------|---|------|-----|-----------|---------|------------|
| 1      | <b>Barometer/Thermometer/Humidity Data Logger</b> | pc   | 1   | 35,000.00 |         | 35,000.00  |

**Specification:**

Barometer/Thermometer/Humidity Data Logger

Barometric Pressure : 10 to 1100 hPa; 7.5 to 825.0 mmHg; 0.29 to 3248 inHg

Resolution : 0.1 hPa, 0.1mmHg, 0.01inHg

Temperature: 32 to 122°F (0 to 50°C)

Resolution/Basic Accuracy: 0.1°F(°C) / ±1.5°F (0.8°C)

Relative Humidity: 10 to 90%RH

Resolution/Basic Accuracy: 0.1% / ±(4% of rdg + 1% RH)

Datalogging: 20M data using 2G SD card

Dimension: 5.2 x 3.1 x 1.3" (132 x 80 x 32mm)

Weight: 10oz (285g)

|   |  |    |   |           |  |           |
|---|--|----|---|-----------|--|-----------|
| 2 | <b>Cylindrical Form Borosilicate Glass Flash with Aluminum Base 1900mL</b> | pc | 1 | 45,000.00 |  | 45,000.00 |
| 3 | <b>Six Channel Temperature Data Logger</b>                                 | pc | 1 | 50,000.00 |  | 50,000.00 |

**Specification:**

**Inputs:** 4x thermocouple inputs for use with miniature thermocouple connectors, and 2 x spring clamp terminals for 2 or 3-wire RTDs, 28 to 16 AWG

**Input Temperature Range:**
**Type J:** -200 to 1200°C**Type K:** -200 to 1372°C**Type T:** -200 to 400°C**Type R:** 0 to 1768°C

**Type S:** 0 to 1768°C

**Type N:** 0 to 1300°C

**Type E:** -200 to 1000°C

**RTD:** -200 to 850°C

**Temperature Accuracy:**

**For Thermocouples:**  $\pm 0.1\%$  or 0.8°C

**For RTD:**  $\pm 1.0\%$  or 1.0°C

**Temperature Resolution:** 0.1° for temperatures below 1000°C or °F, 1° for temperatures above 1000°C or °F

**Display:** 72 mm (2.83") resistive touch TFT, 320 x 240 pixels, backlit

**Configurable Parameters:** Temperature units, alarms, signal processing, date and time, data logging, power options, graph channels

**Temperature Units:** °F or °C

**Alarm Configuration:** 12 x alarms (2 per channel) with adjustable level, individually configurable as HI or LO

**Signal Processing:** Average, minimum, maximum, standard deviation, 2-channel temperature difference

**Display Response Time:** 1 second

**Operating Temperature:** 0 to 50°C (32 to 122°F)

**Power Supplies:** Built-in rechargeable battery, USB, or 5 Vdc adaptor (included)

**Battery Life:** 32 hour logging with full display brightness; up to 96 hours while logging in power saving mode

**Weight:** 200 g (7 oz) without thermocouples

**Dimensions:** 136 W x 71 H x 32 D mm (5.35 x 2.8 x 1.25")

**Data Logging Specifications**

**Data Logging Interval:** 1 to 86,400 seconds (1 day)

**Maximum SD Card Capacity:** 32 GB SD Card (4 GB included)

**Variables Logged:** Measured temperature, cold junction temperature, alarm events

**File Format:** .csv (can be imported to Excel)

**Configurable Parameters:** Sample period, number of samples, scheduled start date and time

**TOTAL**

**130,000.00**

Purpose: for monitoring of lab pressure and thermometer

Checked by:

*Elizabeth S. Quevedo*  
**ELIZABETH S. QUEVEDO**

Funds Available:

*Alicia M. Flores*  
**ALICIA M. FLORES**

TWG - Laboratory Equipment

HEAD, BUDGET OFFICE

*for calibration*

Signature:

Printed Name:

Designation:

Requested by:

*Rannie B. Veril*  
**RANNIE B. VERIL**

END USER

Noted by:

*Marlon B. Burlas*  
**MARLON B. BURLAS**

UNIT HEAD, PROJECT LEADER

Approved by:

*Edgardo E. Tulin*  
**EDGARDO E. TULIN**

PRESIDENT, VSU