



Republic of the Philippines VISAYAS STATE UNIVERSITY

Visca, Baybay City, Levte

PURCHASE REQUEST

PPMP No.: 15-1-8-2024-0-0-7

Dept./Office: DOPAC

Section/End-User: Jane M. Abapo

Funding Source: Special Trust Fund

PR No.: STF-2024-02-00522

Date: 02-15-2024

Category: Laboratory

Equipment

Project Title/Code: Laboratory Supplies 2024

item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	Benchtop Multiparameter Meter	set	1	190,000,00		400.000.000
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Specification:

Inclusions

- 1 Meter
- 1 Glass pH Electrode with built-in temp sensor
- 1 Conductivity Electrode with built-in temp sensor
- · Meter Accessory set
- · Buffer solutions (4, 7, 10) 250 mL each bottle
- 3.33 M KCI reference electrolyte (250 mL)
- Conductivity Standard Solutions (84 uS/cm, 1413 uS/cm, 12.88 mS/cm, 111.8 mS/cm) 250 mL each bottle
- Delivery and Installation
- 1 Free PM and Calibration 1 year after the installation
- Meter must be dual channel and able to do simultaneous measurements
- 1 channel must be able to measure either pH, Ion, mV, and ORP
- 1 channel must be able to measure either conductivity, salinity, resistivity, and TDS
- Both channels must display temperature data
- Meter display must be colored screen to distinguish between parameters

Meter Specifications

- Meter display must be touchscreen (or no buttons) and waterproof or chemicalresistant to prevent moisture and chemical damage during analysis
- Meter display must be covered with a glass panel and protection cover
- Meter must have an automatic calibration function and automatic buffer recognition
- Meter software must include electrode status
- Power Requirement of the equipment is 220V.
- Measurement must be though glass electrode method
- Measurement range must have a wider range than pH 0.000- 14.000

pH specifications

- Resolution must be up to 0.001 pH
- Accuracy must be ±0.001 pH
- pH calibration must be up to 5 points

	· ORI	P range m	ust at least be ±	1999.9 mV					
	ORP specifications	 Resolution must be up to 0.1 mV 							
St. Augustus		• Acc	Accuracy must be up to 0.2 mV			, Marine			
		• 0.00	00 ?S/cm t	o 1.999 S/cm		. ≎**- <u>*</u>			
		• Cell	constant,	k must be either					
	Conductivity or EC	• Res	iolution mu	ist be at least 0.					
	Specifications	Accuracy must be at least ±0.5% of full scale							
		 Calibration must be settable to manual or automatic. 							
		• Cali	Calibration must be up to 4 points						
	Salinity	• Ran	ige must b	e at least 0.00 to					
	Specifications	되어 하면 보다							
				lange must be at least -30.0 ? C to 130.0 ? C lesolution must be up to 0.1 ? C					
	TOTAL					190,000.00			
Purpose: La	aboratory Use				•				
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