



ITEM ITEM	BANYAK QUANTITY	KETERANGAN DESCRIPTION
1	1 - 5 EA	TRIPLE-OUTPUT LINEAR D.C. POWER SUPPLY
	6 - 10 EA	
		Technical Specification:
		DC Output
		- Voltage : 0~30V - CH1, CH2
		: 2.5V/3.3V/5V Fixed - CH3
		- Current : 0~3A - CH1, CH2
		: 3A Max.
		- Tracking Series Voltage : 0~60V
		- Tracking Parallel Current : 0~6A
		Constant Voltage Operation
		- Line Regulation : < 0.01% + 3mV
		- Load Regulation : 0.01% + 3mV (rating current <3A)
		: < 0.02% + 5mV (rating current >3A)
		- Ripple & Noise : < 1mVrms 5Hz ~ 1MHz
		- Recovery Time : < 100μS (50% Load change, Minimum load 0.5A)
		- Temp. Coefficient : < 300ppm/°C
		- Output Range : 0 to rating voltage continously adjustable
		Constant Current Operation
		- Line Regulation : < 0.2% + 3mA
		- Load Regulation : < 0.2% + 3mA
		- Ripple Current : < 3mA _{rms}
		- Output Range : 0 to rating current continously adjustable
		Tracking Operation
		- Parallel Regulation : Line Regulation < 0.01% + 3mV
		: Load Regulation < 0.01% + 3mV (rating current <3A)
		: Load Regulation < 0.02% + 5mV (rating current >3A)
		- Series Regulation : Line Regulation < 0.01% + 5mV
		: Load Regulation < 300mV
		: Tracking Error < 0.5% ± 10mV (10 ~ 30V no load)
		: Tracking Error < 0.5% ± 30mV (0 ~ 9.99V no load)
		(With load add load regulation < 300mV)
		CH3 Operation
		- Output Voltage : ±2.5V/3.3V/5V ±8%
		- Output Current : 3A
		- Line Regulation (25±5°C) : < 5mV
		- Load Regulation (25±5°C) : < 15mV
		- Ripple & Noise : < 2mVrms

		Meter
		- Display : 4+3/4 Digits 0.4" LED Display
		- Voltage Resolution : 100 Mv
		- Current Resolution : 10 mA
		- Program Accuracy (25±5°C) : Voltage: ±(0.05% of RDG + 2 digits)
		: Current: ±(0.05% of RDG + 2 digits)
		- Readback Accuracy (25±5°C) : Voltage: ±(0.05% of RDG + 2 digits)
		: Current: ±(0.05% of RDG + 2 digits)
		- Key Lock : Yes
		- Memory Save/Recall : 4 sets
		- Power Source : AC 100V/120V/220V/230V ±10%, 50/60Hz
		<u>In The Box:</u>
		* Instek GPD-3303D Triple-Output Linear D.C. Power Supply
		* Test Lead (GTL-104A) x 2
		* Alligator to Banana Test Lead (GTL-105A) x 1
		* 200mm green ground/earth test lead featuring banana plugs on both ends with European-type terminals (GTL-201A) x 1
		* User manual x 1
		* Power cord x 1 - UK type plug style
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		Warranty One (1) Year
2	1 - 5 EA	DIGITAL MULTIMETER
	6 - 10 EA	
		<u>Technical Specification:</u>
		- CAT Rating : CAT III 1000 V CAT IV 600 V
		- True-rms readings
		- Voltage AC/DC : 1000 V
		- Current AC/DC : 10A
		- Resistance : 50 MΩ
		- Capacitance : 9,999 Mf
		- Temperature : -200 °C to 1090 °C
		- Additional measurement capabilities : Frequency, continuity/diode test, motor drive (VFD) measurement, duty cycle, microamps, analog bar graph, relative reference
		- IP rating : IP 30
		<u>In The Box:</u>
		- Fluke 87V Industrial Multimeter
		- TL75 Test Leads (TL175 Eur)
		- AC175 Alligator Clips
		- Holster with tilt-leg, test lead storage
		- 80BK Temperature Probe
		- 9V Battery (Installed)
		Warranty One (1) Year

3	2 SETS	Power Quality Analyser, 3-Phase, 100 mA Max, 600V ac
		Technical Specification:
		- Maximum Current Measurement : 100mA
		- Current Accuracy : ± 0.5 % rdg + 1 Digits
		- Maximum Power Measurement : 9999kW
		- Voltage Accuracy : ± 0.5 % rdg + 2 Digits
		- Number of Phases : 3
		- Display Type : LCD Backlight
		- Measurement Type : Current, Voltage, Frequency
		- Maximum Voltage Measurement : 600V ac
		- Measurement Standards : IEC 62301
		- Interface Type : USB, RS232
		- Minimum Operating Temperature : 0°C
		- Maximum Operating Temperature : 50°C
		- Power Source : Battery, Mains
		- Battery Type : AA
		- Model Number : Chauvin Arnoux CA 8220
		- Maximum Frequency : 69Hz
		- Minimum Frequency : 40Hz
		Warranty One (1) Year

Note:

- Prospective vendors are kindly advised to use the following payment method for the purchase of procurement document:
 - Jawatankuasa Sebut harga Politeknik Brunei (JSPB)**
 - Payment via One Common Billing System (OCBS) Web Portal: <https://ocbs.mofe.gov.bn>.
- Payments made to the wrong account before official payment instructions are issued are strictly **NON-REFUNDABLE**.
- Should prospective vendors require further clarification regarding the payment process, kindly contact the Finance Division directly via:
 - Email:** finance@pb.edu.bn
 - Telephone:** +673-2234466 ext 297
 - Whatsapp only:** +673-7174466
- Vendors are also **required** to fill in the online PARTICIPATION FORM at <https://bit.ly/3Hp2RLt> and upload the payment receipt into the form. Quotation Form (RFQ) and related documents will be sent via email.
- If you require further information regarding the above specification, please do not hesitate to contact nursyahiiarah.mazlan@pb.edu.bn or contact no +673-8278901.

Thank you and looking forward to your participation.