


DATE	15-May-23
QUOTE #	0066/Q/V/2023
VALID UNTIL	15-Jun-23
Currency	IDR
REV.	#00



CUSTOMER


Kepada Yth.
Bapak Rohadi
PT Arasy Analytical Research Laboratories



Prepared by:



Nuke Deby Hastine
nuke.deby@dgscientific.com
Mobile : 081286609780



No	Description	Unit Price	Qty	Amount
	Laboratory Equipments			
1	pH Meter Model : PEAK Instrument T-710L			
	 <p>Suitable for measuring moderate ionic strength solutions, such as surface water, lake water and industrial waste water. It can be used in most of the areas related to water quality analysis.</p> <p>Specification :</p> <ol style="list-style-type: none"> Display: 7-inch capacitive touch screen with resolution 1024*600 pH <ul style="list-style-type: none"> - Measurement Range: (-2.00~19.99)pH - Resolution: 0.1/0.01 pH - Accuracy: ± 0.02 pH - Input current: $\leq 1 \times 10^{-12}$ A - Input Impedance: $\geq 1 \times 10^{12} \Omega$ - Stability: ± 0.01 pH/3h - Temperature compensation: (0~100)°C(auto or manual) mV <ul style="list-style-type: none"> - Measurement Range: -1999.9mV ~ 0 ~ 1999.9mV - Resolution: 1 mV - Accuracy: $\pm 0.1\%$ FS Calibration: Automatic (1,2,3 point) Data Storage: 1000 Sets Power: DC12V/1A Communication interface: USB(A), USB(B), Wireless Bluetooth Dimension/Weight: 240x170x70 mm/600g <p>Includes:</p> <ul style="list-style-type: none"> - pH Electrode - Rotary Electrode Holder - pH Calibration Buffer (set) 	15.268.800	1	15.268.800
2	Portable pH Meter Model : PEAK Instrument P-510			



	 <p>- Large LCD Screen with controllable white backlight - Built-in microprocessor chip with function of auto calibration, auto temperature compensation, data storage, function setup, self-diagnosis, auto shut off, low voltage display. - Can set up pH measurement modes of high purity water and ammonia added pure water</p> <p>Specification :</p> <p>1. Display: Large LCD screen with controller with backlight</p> <p>2. pH :</p> <ul style="list-style-type: none"> - Measurement range: (-2.00 ~ 19.99)pH - Resolution:0.1/0.01 pH - Accuracy: ± 0.02 pH - Input current: $\leq 2 \times 10^{-12}$ A - Input impedance: $\geq 1 \times 10^{12} \Omega$ - Stability: ± 0.01 pH/3h - Temp compensation: (0-100)$^{\circ}$C (auto or manual) - Resolution:0.1/0.01 pH <p>3. mV :</p> <ul style="list-style-type: none"> - Measurement range: -1999.9 mV ~ 0 ~ 1999.9 mV - Resolution: 1 mV - Accuracy: $\pm 0.1\%$ FS <p>4. Data storage: 150 sets</p> <p>5. Power: Two AA Batteries (1.5V)</p> <p>6. Size/Weight:160x90x30 mm/360g</p> <p>Includes:</p> <ul style="list-style-type: none"> - pH Electrode - Temperature electrode - Standard pH buffer (pH4.00, pH6.86, and pH9.18/50mL) - Backup AA battery 	10.055.000	1	10.055.000
3	<p>Conductivity Meter</p> <p>Model : PEAK Instrument T-711L</p>  <p>Measure the conductivity of common water solutions, especially widely used in the areas of education and scientific research.</p> <p>Specification :</p> <p>1. Display: 7-inch capacitive touch screen with resolution 1024*600</p> <p>2. Conductivity:</p> <ul style="list-style-type: none"> - Measuring range: (0.00~20.00) μS/cm (20.0~200.0) μS/cm (200~2000)μS/cm (2.00~20.00) mS/cm (20.0~200.0) mS/cm 	15.614.400	1	15.614.400


	<ul style="list-style-type: none"> - Resistivity: (0 ~ 100) MΩ·cm - TDS: (0 ~ 100) g/L - Salinity: (0 ~ 100) ppt 			
	3. Resolution: 0.01/0.1/1μS/cm 0.01/0.1 mS/cm			
	4. Accuracy: Electrode: ±1.0% FS, Instrument: ±1.5%FS			
	5. Temperature compensation (0~100)°C(automatic)			
	6. Electrode constants: 0.1/1/10 cm ² -1			
	7. Data Storage: 1000 sets			
	8. Storage content: Measurement series number, measuring value, temperature, ATC or MTC status, date and time			
	9. Power: DC12V/1A			
	10. Communication: Bluetooth, USB			
	11. Dimensions/Weight: 240x170x70mm/600g			
	Includes:			
	- Conductivity Electrode		1	
	- Rotary Electrode Holder		1	
4	Portable Conductivity Meter			
	Model : PEAK Instrument P-511			
		10.372.000	1	10.372.000
	<ul style="list-style-type: none"> - Large LCD Screen with controllable white backlight - Built-in microprocessor chip with function of auto calibration, auto temperature compensation, data storage, function setup, self-diagnosis, auto shut off, low voltage display. - Able to switch between conductivity, TDS, salinity and resistivity. Multinomial calculation for TDS and salinity to ensure the conversion precision of the full scale. 			
	Specification :			
	1. Display: Large LCD screen with controller with backlight			
	2. Measuring Range :			
	<ul style="list-style-type: none"> - Conductivity: (0.00~19.99) μS/cm, (20.0~199.9) μS/cm, (200~1999) μS/cm, (2.00~19.99) mS/cm, (20.0~199.9) mS/cm. - TDS: (0 ~ 100) g/L - Salinity: (0~100) ppt - Resistivity: (0 ~ 100) MΩ·cm 			
	3. Resolution: 0.01/0.1/1μS/cm 0.01/0.1 mS/cm			
	4. Accuracy: Electrode: ±1.0% FS, Instrument: ±1.5%FS			
	5. Temperature compensation (0~100)°C(automatic)			
	6. Electrode constants: 0.1/1/10 cm ² -1			
	7. Data storage: 150 sets			
	8. Power: Two AA Batteries (1.5V)			
	9. Size/Weight:160x90x30 mm/360g			
	Includes:			
	- Conductivity Electrode		1	
	- Temperature electrode		1	
	- Backup AA battery		2	
5	DO Meter			

Model : PEAK Instrument T-712		23.563.200	1	23.563.200
 <p>Specification :</p> <ol style="list-style-type: none"> 1. Display: 7-inch capacitive touch screen 2. Parameters: Concentration, Saturation, Temperture 3. DO Range: 0.00 ~ 20 mg/L (ppm) 4. DO Saturation: 0.0 ~ 200% 5. Saturation Resolution: 0.1% 6. Saturation Accuracy: $\pm 2.0\%$FS 7. Temperature Measuring Range: (-10 ~ 110)$^{\circ}$C 8. Temperature Resolution: 0.1$^{\circ}$C 9. Temperature Accuracy: $\pm 0.1^{\circ}$C 10. Temperature compensation range: (0 ~ 100)$^{\circ}$C (automatic) 11. Salinity compensation range: (0.0~50.0)g/L 12. Air pressure compensation range: (80 ~ 105)kPa (automatic) 13. Air pressure resolution: 1 14. Air pressure Accuracy: $\pm 2\%$ 15. Stability: (± 0.07mg/L)/1h 16. Respon Time: ≤ 30s (25$^{\circ}$C, 90% response) 17. Data Storage: 1000 sets, USB for huge storage 18. Communication Interface: USB, Bluetooth 19. Working Conditions: Temperature 5-40$^{\circ}$C Humidity 5-58% 20. Size/Weight: 240x170x70mm/600g 21. Power Requirements: 12V1A(with power adapter) <p>Includes:</p> <ul style="list-style-type: none"> - DO Electrode - Rotary Electrode Holder - DO Membrane Cap - DO Electrode Electrolyte (30mL) 				
6	Portable Dissolved Oxygen Meter Model : PEAK Instrument P-512  <ul style="list-style-type: none"> - Large LCD Screen with controllable white backlight - Built-in microprocessor chip with function of auto calibration, auto temperature compensation, data storage, function setup, self-diagnosis, auto shut off, low voltage display. - New structure polarographic DO electrode can measure temperature, salinity and dissolved oxygen simultaneously, equipped with special DO electrode calibration sleeve, only need 3~5 minutes for polarization. <p>Specification :</p>	17.284.800	1	17.284.800

	1. Measuring Range: (0 ~ 20.00) mg/L(ppm), (0 ~ 200.0)% 2. Resolution: 0.1/0.01 mg/L(ppm), 1/0.1 % 3. Accuracy: ± 0.40 mg/L, $\pm 0.3\%$ 4. Response Time: ≤ 30 s (25°C, 90% response) 5. Residual current: ≤ 0.1 mg/L 6. Temperature compensation (0~100)°C(automatic) 7. Salinity Compensation: (0 ~ 45) ppt (automatic) 8. Pressure compensation: (66 ~ 200) kPa (manual) 9. Electrode type: Polarographic 10. Power: Two AA batteries(1.5Vx2) 11. Size/Weight:160x90x30 mm/360g Includes: - DO Electrode - Membrane cap - Electrode electrolyte (30 mL) - Backup AA battery			
7	Portable Turbidity Meter Model : PEAK Instrument PT-4000S			
	 <p>- 4.3 inch color LCD screen with friendly UI makes operations easy. - There are three standard piecewise curves in the system. Can create up to 200 piecewise curves subject to different concentrations which will literally improve measurement precision. - Cold light source, narrowband interference, with long lifetime up to 100,000 hours.</p> <p>Specification :</p> 1. Minimum readout (NTU): 0.01 2. Measuring range (NTU): 5~100, 100~1000 3. Basic error: $\pm 5\%$ FS 3. Repeatability: $\leq 0.5\%$ 5. Zero drift: $\pm 0.5\%$ FS	25.620.000	1	25.620.000
8	Oven Model : SH Scientific SH-DO-54FG			
	 <p>Specification :</p> 1. Air Circulation Type: Forced 2. Temp Range: Ambient +10°C to 250°C (Ambient +18°F to 482°F) 3. Time Range: 00.00 to 99HR 59MIN (MIN SEC) Selectable Digital Counter Timer	26.652.000	1	26.652.000

	4. Temp&Time Controller: Microprocess PID Membrane Touch Digital controller			
	5. Heater Capa: 800W			
	6. Dimension Internal: 380x340x420mm			
	7. Dimension External: 500x630x760mm			
	8. Weight: 49 Kg			
	9. Capacity: 54 L			
	10. Material Internal/External: Stainless steel/Steel Plate With Powder Heating Coated			
	11. Shelves: 2 supplied (15 Max)			
	12. Fan Position: Rear			
9	Micropipettes			
	Model : Ahn Germany			
				
	Pipet4u® pro manual single channel pipettes volume 100-1000µL	3.550.000	1	3.550.000
	Pipet4u® pro manual single channel pipettes volume 0.5-5 mL	3.550.000	1	3.550.000
10	Spektrofotometer UV-Vis			
	Model : KLAB AAF-001-180320			
		218.400.000	1	218.400.000
	>Photometric System Double-beam type >Display 8 inch color LCD with touch screen >Standard Cell Holder Automatic Rotary type 8-position Multi-Cell Holder >Easily and quickly call up the information that is being measured or analyzed by registering it in you favorites			
	<u>Specification :</u>			
	1. Photometrics System: Double-beam type			
	2. Light souce: Tungsten Halogen Lamp and Deuterium Lamp			
	3. Detector: silicon photodiode			
	4. Monochromator: Czerny-Turner type with 1200 lines/mm blazed grating			
	5. Wavelength			
	- Range: 190-1100nm			
	- Repeatability: <± 0.1 nm			
	- Setting: 0.05 nm			
	- Slew Rate: 45.000 nm/min			
	- Scanning Speed: Max 6.000 nm/min			
	6. Spectral Bandwidht: 1 nm			
	7. Wavelength Accuracy ± 0.3 nm (For entire range) ± 0.1 nm (656.1 nm)			

	<p>8. Photometric Accuracy Less than ± 0.005 A at 1.0 A</p> <p>9. Photometric Range: Absorbance: 4 A - 4 A, Transmittance: 0% - 400%</p> <p>10. Photometric Repeatability: ± 0.0002 at 0.5A ± 0.0006 at 1.0A ± 0.001 at 2.0 A</p> <p>11. Baseline Stability: < 0.0003 A/h</p> <p>12. Baseline Flatness: $< \pm 0.0005$ A</p> <p>13. Stray Light: $< 0.02\%$ NaI at 220 nm, NaNO₂ at 340 nm</p> <p>14. Display: 8 inch color LCD with touch screen</p> <p>15. Standard Cell Holder: Automatic Rotary type 8-position Multi-Cell Holder</p> <p>16. Dimensions(W*D*H): 520 mm*500 mm*200 mm</p> <p>17. Power Requirement: 100 - 240 V; 50 - 60 Hz</p>			
11	<p>Hot Plate</p> <p>Model : Wiggens WH200D-2K</p>			
		16.333.900	1	16.333.900
	<p><u>Specification :</u></p> <p>1. Display Mode: LED</p> <p>2. Temperature stability [°C]: ± 2</p> <p>3. Hotplate material: Aluminium coated with ceramic</p> <p>4. Temperature range in (°C): 50-300</p> <p>5. Solvent temperature (Pt100 sensor) in (°C): 40-300</p> <p>6. Power: 1000W</p> <p>7. Dimension (WxL) : 320x320 mm</p> <p>8. Outer Dimensions (WxLxH): 320x360x70 mm</p>			
11	<p>Water Purification System</p> <p>Model : Avidity</p>			
		105.775.960	1	105.775.960
	<p>Type 2 water using reserve osmosis and deionization technology</p>			
	<p>Applications of Water Type II (Deionised):</p> <p>1 - 15MΩ·cm</p> <ul style="list-style-type: none"> - Buffer & Media Preparation - Sample Dilution & Reagent Preparation - Spectrofotometry - Protein Electrophoresis - Crytology & Histology - Glassware Washing & Rinsing 			
	<p>Feature and Benefits</p>			

	<ul style="list-style-type: none"> - Novel recirculation process extends life of RO membrane and DI cartridges - RO sanitization process - Mount on bench, wall or on top of a reservoir - Intuitive, icon-based interactive user interface with touchscreen - Variable permeate flowrate 			
	Specification: <ol style="list-style-type: none"> 1. Make-Up Flow Rate (@15°C): ≥25L/hr 2. Inorganics Rejection Rate: 98% 3. Dispense Rate from Tank: 3-7L/min 4. Water Quality (@25°C): 1-15MΩ·cm 5. Daily Usage (Max): 160L/day 6. Feed Water Pressure: 0.1 - 6 bar 			
12	BOD Incubator Model : SH Scientific SH-CH-149R			
		16.333.900	1	16.333.900
	Specification : <ol style="list-style-type: none"> 1. Air Circulation Type: Forced 2. Temp Range: -5°C to 60°C (23°F to 140°F) 3. Temp Control: Microprocessor PID Controller 4. Time Range: 00.00 to 99HR 59MIN (MIN SEC) Selectable Digital Display 5. Temp Accuracy & Stability: ±0.1°C 6. Temp Uniformity: ±0.5°C 7. Capacity: 150 L 8. Dimension Internal (WxDxH): 555x450x600mm 9. Dimension External (WxDxH): 715x760x1350mm 10. Weight: 177.2 Kg 11. Material Internal/External: Stainless Steel/Steel Plate with Powder Heating Coated 12. Shelves: 2 supplied (17 Max) 13. Heater: 1000W 			
		Subtotal		508.373.960
		PPN 11%		55.921.136

TERMS AND CONDITIONS

1. Price is include Tax (PPN). FRANCO JABODETABEK
2. Payment : DP 50%, full payment before delivery
3. Delivery : Indent 4 - 12 weeks after PO received
4. Warranty : - 1 year for main unit and part except consumable part
 - Including Installation and training

Total Price

564.295.096

If you have any questions about this price quote, please don't hesitate to contact us

Thank You For Your Business!

GBC Scientific Equipment Authorized Distributor



Manufacturer of world class scientific equipment and accessories; AAS, HPLC, ICP-OES, ICP- μ TOFMS, Rheometry, UV-Vis and XRD - since 1978.

