



ARANKA

USER MANUAL

APO 2496

pH CONTROLLER

Ver. 1.0





TERMINAL CONNECTION

1	L	POWER 230 LINE
2	N	POWER 230 NEUTRAL
3	E	EARTH
4	-NA-	
5	-NA-	
6	-NA-	
7	NO R2	NORMAL OPEN FOR RELAY 2
8	C R2	COMMON FOR RELAY 2
9	NO R1	NORMAL OPEN FOR RELAY 1
10	C R1	COMMON FOR RELAY 1
11	- 4-20mA CH1	CHANNEL 1 4~20mA OUTPUT POSITIVE
12	+ 4-20mA CH1	CHANNEL 1 4~20mA OUTPUT NEGATIVE
13	RTD[PT-100]	RTD INPUT [W] COMMON
14	RTD[PT-100]	RTD INPUT [W] COMMON [SHORT BOTH TERMINAL 13 & 14]
15	RTD[PT-100]	RTD INPUT [R]
16	-NA -	
17	-NA -	
18	-NA -	
19	+ pH/ORP	pH/ORP SENSOR INPUT POSITIVE [HI]
20	- pH/ORP	pH/ORP SENSOR INPUT NEGATIVE [LO]
21	-NA -	
22	-NA -	
23	-NA -	
24	-NA -	
25	-NA -	
26	-NA -	
27	-NA -	
28	-NA -	
29	+ RS 485	RS 485 MODBUS RTU +
30	- RS 485	RS 485 MODBUS RTU -



MODBUS RTU ADDRESS

Modbus Register Address					
Parameter	Address	Function code	Byte	Read/Write	Type
PH Value	40001	3	4	Read	Float
Temperature Value	40002	3	4	Read	Float
mV Value	40003	3	4	Read	Float
mA Value	40004	3	4	Read	Float
Set Point 1	40005	3	4	Read/Write	Float
Set Point 1 On Time	40006	3	2	Read/Write	Unsigned Integer
Set Point 1 Off Time	40007	3	2	Read/Write	Unsigned Integer
Set Point 1 Hysteresis	40008	3	2	Read/Write	Integer
Set Point 2	40009	3	4	Read/Write	Float
Set Point 2 On Time	40010	3	2	Read/Write	Unsigned Integer
Set Point 2 Off Time	40011	3	2	Read/Write	Unsigned Integer
Set Point 2 Hysteresis	40012	3	2	Read/Write	Integer
Set Point 1 Control Mode	40013	3	1	Read/Write	Unsigned Char
Set Point 2 Control Mode	40014	3	1	Read/Write	Unsigned Char
Parameter Mode Type	40015	3	1	Read/Write	Unsigned Char
Analog Output Mode	40016	3	1	Read/Write	Unsigned Char
Analog Output Minimum Range	40017	3	2	Read/Write	Integer
Analog Output Maximum Range	40018	3	2	Read/Write	Integer
Ph Calibration No. Of Step	40019	3	1	Read/Write	Unsigned Char
Temperature Calibration No. Of Step	40020	3	1	Read/Write	Unsigned Char
ORP Calibration No. Of Step	40021	3	1	Read/Write	Unsigned Char
Mv Per PH	40022	3	4	Read/Write	Float
PH Pass Tolerance	40023	3	4	Read/Write	Float
PH Calibration Step Value 1	40024	3	4	Read/Write	Float
PH Calibration Step Value 2	40025	3	4	Read/Write	Float
PH Calibration Step Value 3	40026	3	4	Read/Write	Float
PH Calibration Step Value 4	40027	3	4	Read/Write	Float
PH Calibration Step Value 5	40028	3	4	Read/Write	Float
ORP Calibration Step Value 1	40029	3	2	Read/Write	Integer
ORP Calibration Step Value 2	40030	3	2	Read/Write	Integer
ORP Calibration Step Value 3	40031	3	2	Read/Write	Integer

**MODBUS RTU ADDRESS**

Parameter	Address	Function code	Byte	Read/Write	Type
Modbus Slave ID	40032	3	1	Read/Write	Unsigned Char
Modbus BaudRate	40033	3	1	Read/Write	Unsigned Char
Modbus Parity Bit	40034	3	1	Read/Write	Unsigned Char
Modbus Stop Bit	40035	3	1	Read/Write	Unsigned Char
PH Calibration Value 1	40036	3	4	Read/Write	Float
PH Calibration Value 2	40037	3	4	Read/Write	Float
PH Calibration Value 3	40038	3	4	Read/Write	Float
PH Calibration Value 4	40039	3	4	Read/Write	Float
PH Calibration Value 5	40040	3	4	Read/Write	Float
ORP Calibration Value 1	40041	3	4	Read/Write	Integer
ORP Calibration Value 2	40042	3	4	Read/Write	Integer
ORP Calibration Value 3	40043	3	4	Read/Write	Integer
PH Offsset	40044	3	4	Read/Write	Float
ORP Offset	40045	3	4	Read/Write	Float
Temperature Offset	40046	3	4	Read/Write	Float
Analog Output Offset	40047	3	4	Read/Write	Float
Temperature Compensation Mode	40048	3	1	Read/Write	Unsigned Char
Temperature Compensation Manual Value	40049	3	4	Read/Write	Float
Temperature Calibration Step 1 Value	40050	3	4	Read/Write	Float
Temperature Calibration Step 2 Value	40051	3	4	Read/Write	Float
Temperature Calibration Step 3 Value	40052	3	4	Read/Write	Float
Temperature Calibration Step 4 Value	40053	3	4	Read/Write	Float
Temperature Calibration Step 5 Value	40054	3	4	Read/Write	Float
Temperature Calibration Step 6 Value	40055	3	4	Read/Write	Float
Temperature Calibration Step 7 Value	40056	3	4	Read/Write	Float
Temperature Calibration Step 8 Value	40057	3	4	Read/Write	Float
Temperature Calibration Step 9 Value	40058	3	4	Read/Write	Float
Temperature Calibration Step 10 Value	40059	3	4	Read/Write	Float
Temperature Calibration Value 1	40060	3	4	Read/Write	Float
Temperature Calibration Value 2	40061	3	4	Read/Write	Float
Temperature Calibration Value 3	40062	3	4	Read/Write	Float
Temperature Calibration Value 4	40063	3	4	Read/Write	Float
Temperature Calibration Value 5	40064	3	4	Read/Write	Float
Temperature Calibration Value 6	40065	3	4	Read/Write	Float
Temperature Calibration Value 7	40066	3	4	Read/Write	Float
Temperature Calibration Value 8	40067	3	4	Read/Write	Float
Temperature Calibration Value 9	40068	3	4	Read/Write	Float
Temperature Calibration Value 10	40069	3	4	Read/Write	Float



MODBUS RTU ADDRESS

Parameter Mode		
Mode		Value
PH		0
ORP		1

Temperature Compensation Mode		
Mode		Value
Manual		0
Auto		1

SetPoint Control Mode		
Mode		Value
HOT		0
COOL		1

BaudRate Selection		
BaudRate		Value
9600		0
19200		1
38400		2
57600		3
115200		4

Stop Bit Selection		
Stop Bit		Value
1		0
2		1

Parity Bit Selection		
Parity		Value
None		0
EVEN		1
ODD		2



SPECIFICATIONS

POWER	: 90~260VAC , 50HZ
RANGE	: 0~14pH
RESOLUTION	: 0~0.001pH
ACCURACY	: $\pm$ 0.050 pH
DIGITAL OUTPUT	: 5A, 1CO, RELAY
DISPLAY	: OLED LCD
BODY	: ABS
OUTER DIMENSIONS	: 96x96x85mm
CUTOUT DIMENSIONS	: 92x92mm

KEY FUNCTION



TO SET pH
CONTROLLING VALUE



TO ENTER MENU



TO INCREASE VALUE &
IT WILL SCROLL 0 TO 9



TO SHIFT DIGIT



FOR START CALIBRATION



TO SAVE DATA IN CALIBRATION MENU& SET POINT



PROGRAM PARAMETER SETTING

CONTROL SETTING

10/06/24 14:27:10
PV1:
14.000 pH
PV2:+025.0'C
SV1:07.000pH

PROG



1 CONTROL SETTING
2 CAL SETTING
3 COMM.1 5 USB
4 FACTORY RESET

TO SET CONTROL PARAMETER
SET CURSER TO 1 CONTROL
SETTING.PRESS

ENT



PASSWORD
[****]

ENTER PASSWORD USING UP & SHIFT KEY AFTER ENTERED PASSWORD PRESS ENT KEY

CONTROL MENU

1 CONTROL PARAMETER
2 TEMP. COMPENSATION
3 FACTORY SET

CONTROL PARAMETER			
KEY	PASSWORD	SCREEN	DISCRIPTION
		1 CONTROL PARAMETER	TO SET PARAMETER
ENT			PRESS ENT KEY
UP KEY FOR SELECT HOT OR COOL		SP1 : - HOT	HOT: TO SET RELAY1 OPERATION ON BEFORE RELAY1 SET VALUE, COOL : TO SET RELAY1 OPERATION ON AFTER RELAY1 SET VALUE
UP KEY FOR SELECT HOT OR COOL		SP2 : - HOT	HOT: TO SET RELAY2 OPERATION ON BEFORE RELAY2 SET VALUE, COOL : TO SET RELAY1 OPERATION ON AFTER RELAY2 SET VALUE
UP KEY FOR SELECT PH OR ORP		PARAMETER : PH	PH : TO USE CONTROLLER AS pH CONTROLLER, ORP : TO USE CONTROLLER AS ORP CONTROLLER
UP KEY FOR SELECT ON/OFF OR DOZING		RELAY OUTPUT : ON/OFF	ON/OFF : TO WORK RELAY AS ON & OFF CONTROL, DOZING : TO WORK RELAY AS DOZING CONTROL SYSTEM,
		AO Min RANGE: +0000 pH	TO SET ANALOG 4-20mA OUTPUT RANGE
		AO Max RANGE: +0014 pH	TO SET ANALOG 4-20mA OUTPUT RANGE



PROGRAM PARAMETER SETTING

CONTROL MENU**1 CONTROL PARAMETER****2 TEMP. COMPENSATION****3 FACTORY SET**

TEMP. COMPENSATION			
KEY	PASSWORD	SCREEN	DISCRIPTION
		<u>2</u> TEMP. COMPANSATION	TO SET PARAMETER
SHIFT			PRESS SHIFT KEY TO MOVE CURSER TEMP. COMPANSATION
ENT			PRESS ENT KEY
		-MANUAL	MAUAL: TO SET TEMPERATURE COMPANSATION MANUAL AT 25'C, AUTO : TO SET TEMPERATURE COMPANSATION AUTO USING SENSOR PT-100 TEMPERATURE OUTPUT
ENT			PRESS ENT KEY
		-AUTO	
PROG			PRESS PROG. KEY TWICE TO GO MAIN SCREEN



PROGRAM PARAMETER SETTING

CAL SETTING

10/06/24 14:27:10
 PV1:
14.000 pH
 PV2:+025.0'C
 SV1:07.000pH

PROG



1 CONTROL SETTING
 2 CAL SETTING
 3 COMM.1 5 USB
 4 FACTORY RESET

TO SET CALIBRATION PARAMETER
 SET CURSER TO 2 CAL SETTING

ENT



PASSWORD

[****]

ENTER PASSWORD USING UP & SHIFT KEY AFTER ENTERED PASSWORD PRESS ENT KEY

1 CAL STEPS SETTING
 2 PH SETTING
 3 CAL VALUE SETTING

CAL STEPS SETTING			
KEY	PASSWORD	SCREEN	DISCRIPTION
		1 CAL STEPS SETTING	TO SET PARAMETER
ENT			PRESS ENT KEY
UP, SHIFT KEY & ENT KEY		PH CAL POINT : 03	TO SET NUMBER OF PH CALIBRATION POINT WITH STANDERED SOLUTION YOU CAN SET MAX 5 NOS
UP, SHIFT KEY & ENT KEY		TEMP. CAL POINT : 05	TO SET NUMBER OF TEMPERATURE CALIBRATION POINT WITH CALIBRATOR YOU CAN SET MAX 10 NOS
UP, SHIFT KEY & ENT KEY		ORP CAL POINT : 03	TO SET NUMBER OF ORP CALIBRATION POINT WITH STANDERED SOLUTION YOU CAN SET MAX 3 NOS

PRESSING PROG KEY YOU CAN JUMP BACK TO MAIN SCREEN



PROGRAM PARAMETER SETTING

1 CAL STEPS SETTING

2 PH SETTING

3 CAL VALUE SETTING

PH SETTING			
KEY	PASSWORD	SCREEN	DISCRIPTION
		2 PH SETTING	TO SET PARAMETER
ENT			PRESS ENT KEY
		MV PER PH: 59.0 mV	TO SET mV VALUE OF PH SENSOR PER PH
		PH PASS TOLERANCE : 00.500 PH	TO ALLOW TOLERANCE OF PH CONTOLLER CALIBRATION WITH SENSOR PASS OR FAIL

PRESSING PROG KEY YOU CAN JUMP BACK TO MAIN SCREEN



PROGRAM PARAMETER SETTING

1 CAL STEPS SETTING**2 PH SETTING****3 CAL VALUE SETTING**

CAL VALUE SETTING			
KEY	PASSWORD	SCREEN	DISCRIPTION
		3 CAL VALUE SETTING	TO SET PARAMETER
ENT			PRESS ENT KEY
		1 PH CAL VALUE SET	
ENT			PRESS ENT KEY
		1 CAL VALUE:07.000PH	7 PH IS DIFAUTL FIX VALUE
UP, SHIFT KEY & ENT KEY		2 CAL VALUE:04.000PH	TO SET PH STANDERED SOLUTION VALUE
UP, SHIFT KEY & ENT KEY		3 CAL VALUE:09.210PH	TO SET PH STANDERED SOLUTION VALUE
NOTE: PH CAL STEP ONLY SHOW NOS OF CAL POINT SET			
KEY	PASSWORD	SCREEN	DISCRIPTION
ENT			PRESS ENT KEY
		2 ORP CAL VALUE SET	
ENT			PRESS ENT KEY
UP, SHIFT KEY & ENT KEY		1 CAL VALUE: -2000 mV	TO SET ORP STANDERED SOLUTION OR CALIBRATOR VALUE
UP, SHIFT KEY & ENT KEY		2 CAL VALUE: +0000 mV	TO SET ORP STANDERED SOLUTION OR CALIBRATOR VALUE
UP, SHIFT KEY & ENT KEY		3 CAL VALUE: +2000 mV	TO SET ORP STANDERED SOLUTION OR CALIBRATOR VALUE
NOTE: ORP CAL STEP ONLY SHOW NOS OF CAL POINT SET			



PROGRAM PARAMETER SETTING

COMM.1

10/06/24 14:27:10
 PV1:
14.000 pH
 PV2:+025.0'C
 SV1:07.000pH

PROG



1 CONTROL SETTING
 2 CAL SETTING
 3 COMM.1 5 USB
 4 FACTORY RESET

TO SET CALIBRATION PARAMETER
 SET CURSER TO 3 COMM.1

ENT



PASSWORD

[****]

ENTER PASSWORD USING UP & SHIFT KEY AFTER ENTERED PASSWORD PRESS ENT KEY

1 COMMUNICATION SET
 2 DATE TIME SET

COMMUNICATION SET			
KEY	PASSWORD	SCREEN	DISCRIPTION
		1 COMMUNICATION SET	TO SET PARAMETER
ENT			PRESS ENT KEY
		ID : 001	TO SET INSTRUMENT ID MAX CAN SET 32
		BAUDRATE : 9600	BAUDRATE CAN SET 9600/19200/38400/57600/115200
		PARITY : NONE	PARITY CAN SET NONE/ EVEN/ODD
		STOP BIT : 1	STOP BIT CAN SSET 1 OR 2
PROG			PRESS PROG KEY

PRESSING PROG KEY YOU CAN JUMP BACK TO MAIN SCREEN



PROGRAM PARAMETER SETTING

COMM.1

1 COMMUNICATION SET

2 DATE TIME SET

DATE TIME SET			
KEY	PASSWORD	SCREEN	DISCRIPTION
		2 DATE TIME SET	TO SET PARAMETER
ENT			PRESS ENT KEY
		DATE : 01	TO SET DATE
		MONTH : 01	TO SET MONTH
		YEAR : 14	TO SET YEAR
		HH: 03 MM:07	TO SET HOUR & MINUTE
PROG			PRESS PROG KEY

PRESSING PROG KEY YOU CAN JUMP BACK TO MAIN SCREEN

FACTORY RESET

10/06/24 14:27:10
 PV1:
14.000 pH
 PV2:+025.0'C
 SV1:07.000pH

PROG



1 CONTROL SETTING
 2 CAL SETTING
 3 COMM.1 5 USB
 4 FACTORY RESET

TO SET CALIBRATION PARAMETER
SET CURSER TO 4 FACTORY RESET

ENT



PASSWORD

[***]

ENTER PASSWORD USING UP & SHIFT KEY AFTER ENTERED PASSWORD PRESS ENT KEY

FACTORY RESET

[YES] [NO]

FACTORY RESET IS USE TO SET FACTORY DEFAULT VALUE
IF YOU SELECT YES IT WILL RESTORE FACTORY DEFAULT
VALUE AND AUTO JUMP TO MAIN SCREEN



RELAY SETPOINT SETTING

10/06/24 14:27:10
PV1:
14.000 pH
PV2:+025.0°C
SV1:07.000pH

SET



SET POINT
1 SET POINT 1
2 SET POINT 2

ENT



SP1 VALUE: 07.000 pH
SP1 ON TIME: 0003 SEC
SP1 OFF TIME: 0003 SEC
SP1 HYSTRS.:+0.001 pH

USING **SHIFT** KEY CURSER WILL MOVE FROM LEFT TO RIGHT & USING **UP** KEY YOU CAN SET DESIRE VALUE OF pH.
USING **ENT** KEY CURSER WILL MOVE TO NEXT LINE. ON & OFF TIME IS USE TO SET RELAY DOSING PUMP ON & OFF IN SECOND. HYSTRS IS HYSTERESIS VALUE TO SET RELAY OFFSET OPERATION.

AFTER SETTING
DESIRE VALUE PRESS

SET



SET POINT
1 SET POINT 1
2 SET POINT 2



PRESS FOR NEXT



ENT

Sp2 VALUE: 07.000 pH
SP2 ON TIME: 0003 SEC
SP2 OFF TIME: 0003 SEC
SP2 HYSTRS.:+0.001 pH

USING **SHIFT** KEY CURSER WILL MOVE FROM LEFT TO RIGHT & USING **UP** KEY YOU CAN SET DESIRE VALUE OF pH.
USING **ENT** KEY CURSER WILL MOVE TO NEXT LINE. ON & OFF TIME IS USE TO SET RELAY DOSING PUMP ON & OFF IN SECOND. HYSTRS IS HYSTERESIS VALUE TO SET RELAY OFFSET OPERATION.

AFTER SETTING
DESIRE VALUE PRESS

SET



SET POINT
1 SET POINT 1
2 SET POINT 2

PRESS TO MAIN SCREEN

SET



10/06/24 14:27:10
PV1:
14.000 pH
PV2:+025.0°C
SV1:07.000pH



CALIBRATION

pH CALIBRATION

10/06/24 14:27:10
PV1:
14.000 pH
PV2:+025.0°C
SV1:07.000pH

CAL



- 1 PH CALIBRATION
- 2 ORP CALIBRATION
- 3 TEMP. CALIBRATION
- 4 OFFSET

TO START CALIBRATION
SET CURSER TO 1 PH CALIBRATION

ENT



PASSWORD

[****]

PH CALIBRATION
PUT SENSOR AT

07.000 PH
+0000.00 mV

wait 60 sec

TO START CALIBRATION PUT PH SENSOR IN 7 PH STANDARD SOLUTION AND PRE SET KEY TO START TIMER. THERE IS 60 SECOND COUNT DOWN TIMER TO MAKE STABLE PH mV VALUE OF SENSOR. IF PH SENSOR mV VALUE IS WITH IN ACCEPTABLE LIMIT THAN SCREEN GO FOR NEXT PH VALUE SET FOR CALIBRATION. IF PH SENSOR mV VALUE GO BEYOND TOLERANCE VALUE LIMIT IT SHOWS ERROR.



PH CALIBRATION
PUT SENSOR AT

04.000 PH
+0177.00 mV

wait 60 sec

PH CALIBRATION
PUT SENSOR AT

09.210 PH
-0130.00 mV

wait 60 sec

CALIBRATION
DONE

AUTO JUMP TO MAIN SCREEN



10/06/24 14:27:10
PV1:
14.000 pH
PV2:+025.0°C
SV1:07.000pH



CALIBRATION

ORP CALIBRATION

10/06/24 14:27:10
PV1:
1000.0 mV
PV2:+025.0°C
SV1:800.0mV

CAL



1 PH CALIBRATION
2 ORP CALIBRATION
3 TEMP. CALIBRATION
4 OFFSET

TO START CALIBRATION
SET CURSER TO 2 ORP
CALIBRATION

ENT



PASSWORD

[****]

ORP CALIBRATION
PUT SENSOR AT

+0000 mV
+0007.62 mV

wait 60 sec

TO START CALIBRATION PUT ORP SENSOR IN mV STANDARD SOLUTION AND PRE SET KEY TO START TIMER. THERE IS 60 SECOND COUNT DOWN TIMER TO MAKE STABLE ORP mV VALUE OF SENSOR. IF ORP SENSOR mV VALUE IS WITH IN ACCEPTABLE LIMIT THAN SCREEN GO FOR NEXT ORP VALUE SET FOR CALIBRATION. IF ORP SENSOR mV VALUE GO BEYOND TOLERANCE VALUE LIMIT IT SHOWS ERROR.



ORP CALIBRATION
PUT SENSOR AT

-2000 mV
-1999.95 mV

wait 60 sec

PH CALIBRATION
PUT SENSOR AT

+2000 mV
+1999.92 mV

wait 60 sec

CALIBRATION
DONE

AUTO JUMP TO MAIN SCREEN



10/06/24 14:27:10
PV1:
1000.0 mV
PV2:+025.0°C
SV1:800.0mV



CALIBRATION

TEMPERATURE CALIBRATION

10/06/24 14:27:10
PV1:
14.000 pH
PV2:+025.0'C
SV1:07.000pH

CAL



- 1 PH CALIBRATION
- 2 ORP CALIBRATION
- 3 TEMP. CALIBRATION
- 4 OFFSET

TO START CALIBRATION
SET CURSER TO 3 TEMP.
CALIBRATION

ENT



PASSWORD

[****]

TEMP. CALIBRATION
STAGE 1: -025.0 'C
STAGE 2: +000.0'C
STAGE 3: +25.0'C
T:30

TO START CALIBRATION CONNECT RTD[PT-100] SIMULATOR
SET AT STAGE 1 WHERE CURSER SET YOU CAN ENTER
DESIRE VALUE AND PRESS ENT KEY, TIMER WILL START
COUNT DOWN FOR 30 SECOND AND MAKE STABLE mV OF
TEMPERATURE VALUE. THAN CURSER MOVE TO NEXT
STAGE 2 AUTOMATIC,.DO THE SAME PROCESS AGIN TILL
NUMBER OF STAGE OR CALIBRATION POINT SELECTED

**NOTE: STAGE1 TO STAGE 5 TEMPERATURE VALUE MUST BE
IN ASCENDING ORDER ONLY.**

TEMP. CALIBRATION
STAGE 1: -025.0 'C
STAGE 2: +000.0'C
STAGE 3: +25.0'C
T:25 -0202.12 mV

TEMP. CALIBRATION
STAGE 1: -025.0 'C
STAGE 2: ±000.0'C
STAGE 3: +25.0'C
T:12 +0022.12 mV

TEMP. CALIBRATION
STAGE 1: -025.0 'C
STAGE 2: +000.0'C
STAGE 3: ±25.0'C
T:18 +0245.73 mV

TEMP. CALIBRATION
STAGE 4: ±050.0 'C
STAGE 5: +100.0'C
T:18 +0468.00 mV

TEMP. CALIBRATION
STAGE 4: +050.0 'C
STAGE 5: ±100.0'C
T:18 +0898.74 mV

CALIBRATION
DONE



CALIBRATION

TEMPERATURE CALIBRATION

AUTO JUMP TO MAIN SCREEN



10/06/24	14:27:10
PV1:	
1000.0 mV	
PV2:+025.0°C	
SV1:800.0mV	



CALIBRATION

OFFSET

10/06/24 14:27:10
PV1:
14.000 pH
PV2:+025.0'C
SV1:07.000pH

CAL



- 1 PH CALIBRATION
- 2 ORP CALIBRATION
- 3 TEMP. CALIBRATION
- 4 OFFSET

TO START CALIBRATION
SET CURSER TO 4 OFFSET

ENT



PASSWORD

[****]

PH : +00.000pH
ORP : +000.0mV
TEMP. : +000.0'C
AO OUTPUT : +00.000mA

OFFSET IS USE TO REMOVE LINEAR ERROR DEVIATION FOUND AFTER CALIBRATION OR WITH OUT CALIBRATION. PH IS FOR PH READING VALUE, ORP IS FOR ORP VALUE, TEMP. IS FOR TEMPERATURE VALUE, AO OUTPUT IS FOR ANALOGUE 4-20mA OUT PUT.

PARAMETER PASSWORD

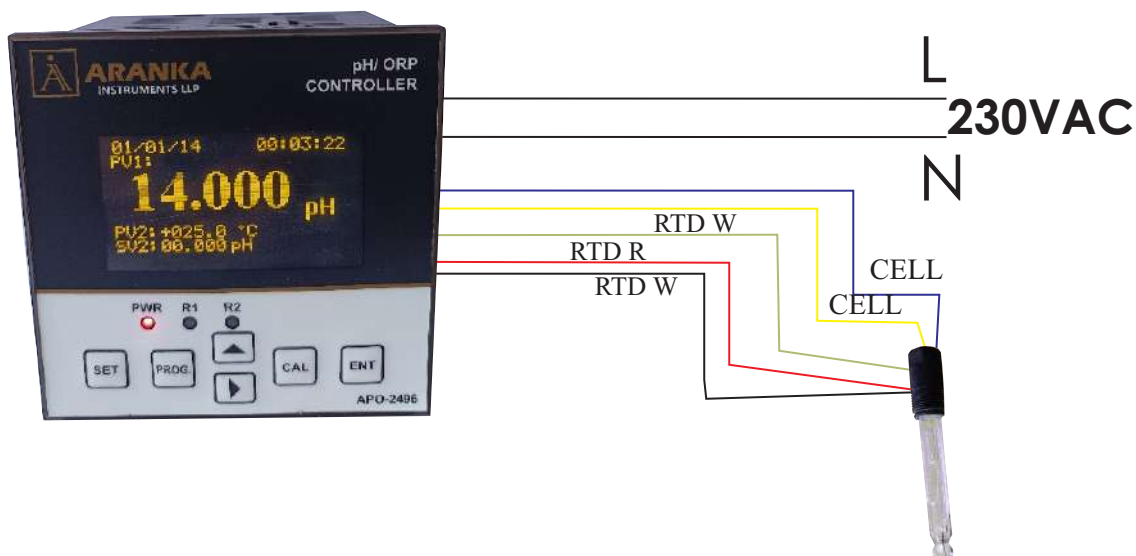
SR NO.	DISCRIPTION	PASSWORD
1	SETPOINT	NONE
2	CONTROL SETTING	1234
3	CAL SETTING	5088
4	COMM1.	2037
5	FACTORY RESET	2039
6	PH CALIBRATION	2033
7	ORP CALIBRATION	2034
8	TEMP. CALIBRATION	2035
9	OFFSET	2036



ARANKA

Solution
with **Perfection**

WIRING DIAGRAM



SR NO: _____



ARANKA



ARANKA INSTRUMENTS LLP

FACTORY :
50, NILKANTH INDUSTRIAL PARK,
AMBIKA TUBE COMPOUND,
NEAR OVER BRIDGE VATVA, GIDC,
Vatva, Ahmedabad - 382445.

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