

PH / ORP ANALYZER CONTROLLER & SENSOR

Description

This new microprocessor-based family of pH, ORP and pH/ORP panel mounted controller is designed for a wide variety of environmental monitoring applications. The units features Font key pH or ORP Controller selectable, Automatic or manual temperature compensation of pH, Two 5 amp Relays with Watch Doge Dosing Control Programmable System and 4 to 20 mA Retransmission output, 5 point pH Calibration Programmable, For ease of operation all calibration and parameter set points are selectable through the front keypad. Each Stage Password Protection.



APO-96



APO-96FT



APO-96F



APO2496



APO24144



APO-2496F

MODEL	APO96	APO2496	APO2496F	APO24144
POWER	90-260VAC	90-260VAC	90-260VAC	90-260VAC
POWER OPTIONAL	24VDC	24VDC	24VDC	24VDC
INPUT CHANNEL	PH/ORP	PH/ORP	PH/ORP	PH/ORP
RANGE	0 - 1 4 P H / - 2 0 0 0 ~ 2 0 0 0 m V O R P			
DISPLAY	SEGMENT	OLED LCD	OLED LCD	OLED LCD
RESOLUTION	0.01PH/1MV	0.001PH/1MV	0.001PH/1MV	0.001PH/1MV
ACCURACY	+/- 0.3 PH / +/- 2mV	+/- 0.1 PH / +/- 2mV	+/- 0.1 PH / +/- 2mV	+/- 0.1 PH / +/- 2mV
RELAY OUTPUT	2 NOS. 3A	2 NOS. 3A	2 NOS. 3A	2 NOS. 3A
ANALOG OUTPUT	4-20mA	4-20mA	4-20mA	4-20mA
COMMUNICATION	NA	RS485 MODBUS RTU	RS485 MODBUS RTU	RS485 MODBUS RTU
TEMPERATURE COMP.	YES	YES	YES	YES
SIZE	96X96X85mm	96X96X85mm		144X144X110mm

ORDER CODE

MODEL					
APO96	1				
APO2496	2				
TYPE					
PH	1				
ORP	2				
DIGITAL OUTPUT					
NONE		0			
1 REALY		1			
2 REALY FOR DOSING CONTROL		2			
ANALOGUE OUTPUT					
NONE			1		
Retrans 4~20mA			2		
COMMUNICATION					
NONE				1	
RS 485 MODBUS				2	
BODY					
REGULAR					R
FLAME PROOF					F

ONLINE PH/ORP SENSOR

PH SENSORS



AIPHS



AIPHSD



AIPHSR



AIPHSR

ORP SENSORS



AIORP

PROTECTION COVER



P.P / PTFE



S.S.316/ S.S.304

FLOW CELL



P.P/NYLON/PTFE



S.S.316/ S.S.304

PH & ORP SENSOR ORDER CODE

MODEL	AIPHS	AIPHSD	AIPHSR	AIPHSR	AIORP
RANGE	0-14 PH	0-14 PH	0-14 PH	0-14 PH	-2000~2000mV
BODY	GLASS	GLASS	GLASS	RAYTON	GLASS
MAX. TEMP.	0-80°C	0-80°C	0-140°C	-5~105°C	0-60°C
LENGTH	120mm	120mm	120mm	150mm	120mm
JUNCTION	SINGLE	DOUBLE	DOUBLE	DOUBLE	SINGLE
ELECTROLYTE	LIQUID	GEL	GEL	GEL	GEL
TEMPERATURE COMPENSATION	PT-100	PT-100	PT-100	PT-100	-NA-
MAX PRESSURE	6 BAR	6 BAR	6 BAR	6 BAR	6 BAR
CONNECTION	PG13.5	PG13.5	PG13.5	3/4"BSP	PG13.5
CABLE LENGTH	5 MT	5 MT	5 MT	5 MT	5 MT

CUSTOMIZED SENSOR CAN SUPPLY

MODEL								
AIPHS	G							
AIPHS	D							
AIPHS	H							
AIPHS	R							
AIORP	O							
TEMPERATURE								
60		1						
80		2						
100		3						
130		4						
PROBE LENGTH								
80mm			A					
130mm			B					
220mm			C					
TEMPERATURE SENSOR								
NONE				1				
PT-100				2				
CONNECTION								
NO THREAD				A				
PG13.5				B				
CABLE TERMINAL								
BNC					1			
TERMINAL					2			
CABLE CONNECTION								
FIX						1		
VERIOPIN [DETACHABLE]						2		
CABLE LENGTH								
1 MTR								1
3 MTR								2
5MTR								3

PH DOSING CONTROL / DATA LOGGING/GSM MESSAGE SYSTEM



- * PH DOSING SYSTEM WORKS ON WATCH DOG SYSTEM, WHICH WILL CONTROL ACID AND ALKALI DOSING.
- * THE SYSTEM HAVE TWO SET POINTS LOW SET POINT [FOR ACID] & HIGH SET POINT [FOR ALKALI].
- * THE SYSTEM WILL MAINTAIN PH AUTOMATIC AS PER LOWER & HIGH SET POINT VALUE.
- * THE SYSTEM CAN CONTROL DOSING PUMP BY TWO OPTIONAL CONTROL
 - 1) RELAY DOSING CONTROL
 - 2) 4~20MA PID DOSING CONTROL
- * SYSTEM CAN GENERATE ALARM IF PH VALUE WILL RISE THAN SET VALUE & KEEP CONSTANT TILL SET TIME.

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- * SYSTEM CAN SEND MESSAGES BY GAM MODULE. THE MESSAGES CAN SEND BY SET TIME INTERVAL
- * SYSTEM ALSO GIVE ALARM MESSAGE IF PH VALE CROSS THE SET POINT.
- * PH DATA CAN STORE IN PEN DRIVE WITH SET TIME INTERVAL
- * WE CAN ALSO DESIGN CUSTOMIZED SYSTEM

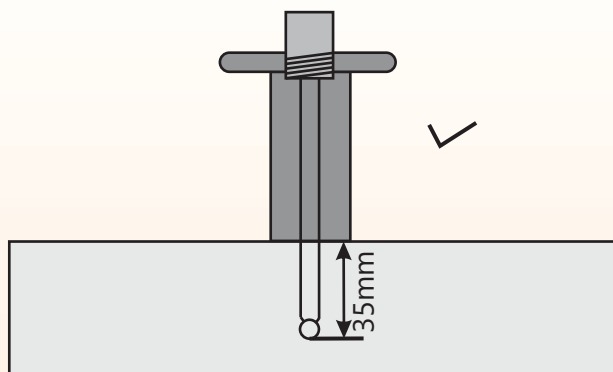
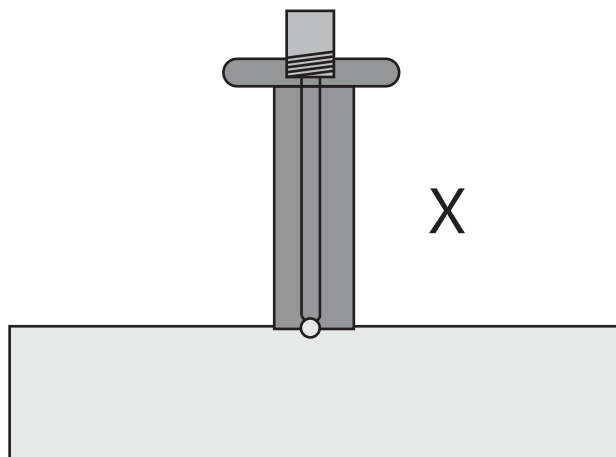
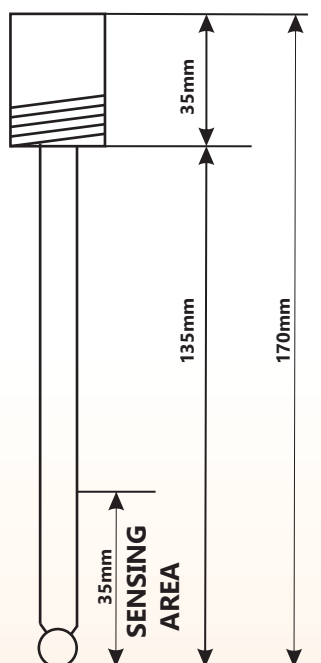
PH DOSING CONTROL, GSM & ALARM SYSTEM



ARANKA

Solution
with **Perfection**

INSTALLATION



ARANKA



CE -2209

ISO 9001:2015
COMPANY



ARANKA INSTRUMENTS **LLP**

FACTORY. :

50, NILKANTH INDUSTRIAL PARK,
AMBIKA TUBE COMPOUND,
NEAR OVER BRIDGE VATVA, GIDC,
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