



ARANKA

Solution
with **Perfection**



ARANKA

USER MANUAL

AIDP 24H

HANDHELD DEW POINT METER



Ver. 1.0



CE -2209

ISO 9001:2015 COMPANY

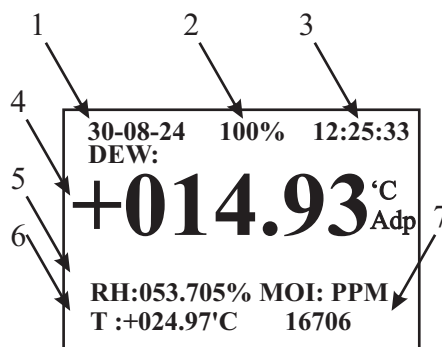


SPECIFICATIONS

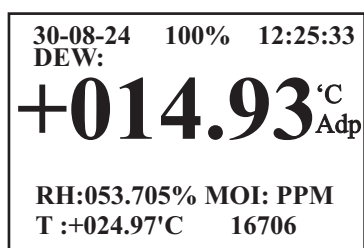
POWER	: 90~260VAC , 50HZ
RANGE	: -110~60'Cdp
RESOLUTION	: 0.01'Cdp
ACCURACY	: ± 2 'Cdp
DATA LOGGING	: USB
DATA LOGGING INTERVAL	: 1 ~99 MINUTE
DISPLAY	: OLED LCD
BODY	: ABS

KEY FUNCTION

	TO SET FACTORY SETTING
	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

**MAIN SCREEN**

1. DATE
2. BATTERY STATUS 0-100%
3. TIME
4. DEW PINT VALUE
5. RELATIVE HUMIDITY
6. TEMPERATURE
7. MOISTURE IN PPM

PROGRAM PARAMETER SETTING**GAS VALUE**

PROG



1 GAS VALUE

2 CLOCK

3 LOG SETTING

TO SET GAS VALUE FOR
MEASURING ENTHALPY
AND MIXING RATIO

ENT



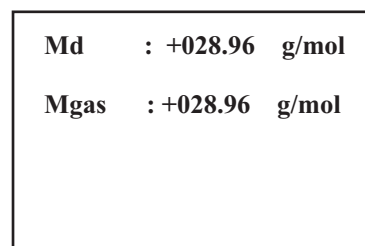
PASSWORD

[***]

ENT



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



GAS VALUE NEED ONLY IN CASE WHERE YOU NEED TO SEE MIXING RATION OR VOLUME/VOLUME PPM OR MASS/MASS PPM VALUE. Mgas IS USE FOR MIXING RATIO AND Md IS FOR V/V PP OR MV/MV PPM.

PRESSING PROG KEY YOU CAN JUMP BACK TO MAIN SCREEN

CLOCK

30-08-24 100% 12:25:33
DEW:
+014.93°C_{Adp}
RH:053.705% MOI: PPM
T :+024.97°C 16706

PROG



1 GAS VALUE
2 CLOCK
3 LOG SETTING

TO SET HANDHELD CLOCK
DATE & TIME

ENT



1 GAS VALUE
2 CLOCK
3 LOG SETTING

ENT



1 DATE TIME SET

ENT



DATE : 30
MONTH : 08
YEAR : 24
HH : 18 MM : 37

TO SET DATE AND TIME USING INCREMENT AND SHIFT KEY.
PRESSING PROG KEY YOU CAN JUMP BACK TO MAIN SCREEN

LOG SETTING

30-08-24 100% 12:25:33
DEW:
+014.93°C_{Adp}
RH:053.705% MOI: PPM
T :+024.97°C 16706

PROG



1 GAS VALUE
2 CLOCK
3 LOG SETTING

TO SET DATA LOGGING
TIME INTERVAL

ENT



1 GAS VALUE
2 CLOCK
3 LOG SETTING

ENT





LOG Time :030 SEC

DATA LOGGING TIME CAN SET MIN. 60 SECOND TO 999 SECOND
TO SET DATE AND TIME USING INCREMENT AND SHIFT KEY.
PRESSING PROG KEY YOU CAN JUMP BACK TO MAIN SCREEN

CALIBRATION

30-08-24 100% 12:25:33
DEW:
+014.93 °C_{Adp}
RH:053.705% MOI: PPM
T :+024.97°C 16706

CAL



1 OFFSET

TO SET GAS VALUE FOR
MEASURING ENTHALPY
AND MIXING RATIO

ENT



PASSWORD

[****]

ENT



RH : +00.00 %
TEMP. : +00.00 °C
DEW POINT : +00.00 °C

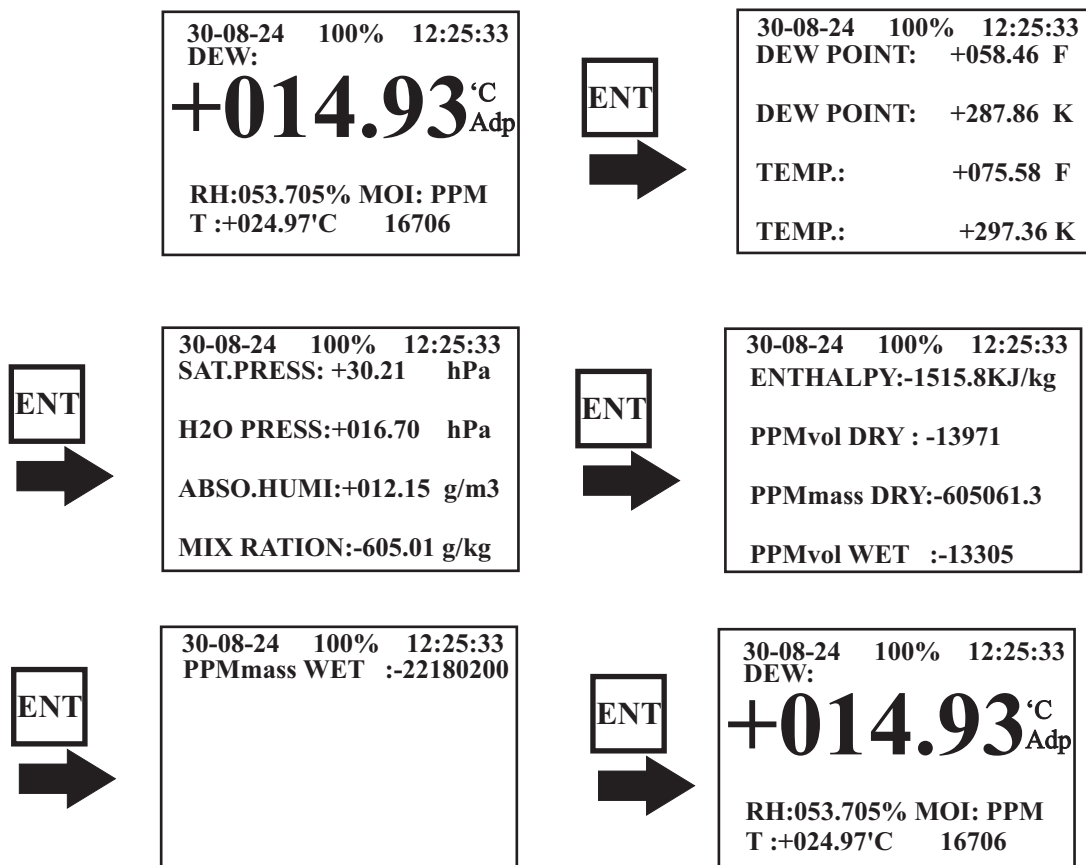
CAL



TO SET DATE AND TIME USING INCREMENT AND SHIFT KEY.
PRESSING CAL KEY YOU CAN JUMP BACK TO MAIN SCREEN



TO SEE OTHER VALUE



READING PERAMETERS
RELATIVE HUMIDITY %
TEMPERATURE IN 'C
TEMPERATURE IN 'F
TEMPERATURE IN 'K
DEW POINT IN 'C
DEW POINT IN 'F
DEW POINT IN 'K
SATURATED PRESSURE IN hPa
WATER PRESSURE IN hPa
ABSOLUTE HUMIDITY IN g/m3
MIXING RATION g/Kg
ENTHELPHY IN Kj/Kg
PPM VOLUME DRY
PPM MASS DRY
PPM VOLUME WET
PPM MASS WET
PPM MOISTURE



PARAMETER PASSWORD

DISCRIPTION	PASS WORD
CALIBRATION OFFSET	5088
GAS VALUE	4567



ARANKA

Solution
with **Perfection**

WIRING DIAGRAM



AIDP24H



**AIDPSIC
INTERFACE CABLE**



AIDP24S



**AIDP24FC
FLOW CELL**

SR NO: _____



ARANKA



ARANKA INSTRUMENTS LLP

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

Web : www.arankainstruments.com
e-mail : utkarsh@arankainstruments.com, contact@arankainstruments.com
Cont : (F) 09909035088, +91 93288 88879