

**ARANKA**Solution
with Perfection

HUMIDITY & TEMPERATURE SENSOR & TRANSMITTER

**Wall Mounting****Hanging****Duct Mounting****Flame Proof
Duct Mounting**

Description

The AIRH Series temperature/relative humidity Sensor & transmitter provides a linearize and temperature compensated output signal of 4 to 20 mA, 0 to 1 Vdc, 0 to 2 Vdc or 0 to 3 Vdc depending upon the model selected for relative humidity measurement. The output signals have been calibrated and scaled to 0 to 100°C for temperature and 0 to 100% for relative humidity. The digital temperature and relative humidity sensor is protected by a stainless steel cap.

SPECIFICATIONS

TYPE	AIRH	AIRH	AIRH	AIRH
	WALL MOUNT	HANGIND	DUCT NON FLP	DUCT FLP
POWER	24VDC	24VDC	24VDC	24VDC
HUMIDITY RANGE	0~100% RH	0~100% RH	0~100% RH	0~100% RH
TEMPERATURE RANGE	0~70 'C	0~70 'C	0~70 'C	0~70 'C
HUMIDITY OUTPUT	0.9 TO 3.9VDC	0.9 TO 3.9VDC	0.9 TO 3.9VDC	0.9 TO 3.9VDC
	0 TO 1 VDC	0 TO 1 VDC	0 TO 1 VDC	0 TO 1 VDC
	0 TO 2 VDC	0 TO 2 VDC	0 TO 2 VDC	0 TO 2 VDC
	0 TO 3 VDC	0 TO 3 VDC	0 TO 3 VDC	0 TO 3 VDC
	0 TO 5 VDC	0 TO 5 VDC	0 TO 5 VDC	0 TO 5 VDC
	4~20mA	4~20mA	4~20mA	4~20mA
TEMPERATURE OUTPUT	PT-100 [OHMS]	PT-100 [OHMS]	PT-100 [OHMS]	PT-100 [OHMS]
	4~20mA	4~20mA	4~20mA	4~20mA
BODY	PP	PP	PP	PP
	ALUMINIUM	ALUMINIUM	ALUMINIUM	ALUMINIUM
	S.S.304	S.S.304	S.S.304	S.S.304
	S.S.316	S.S.316	S.S.316	S.S.316
STAM LENGTH IN mm				
MINIMUM	50	50	50	50
MAXIMUM	300	300	300	300
OPERATION TEMPERATURE	-30 'C TO 70 'C	-30 'C TO 70 'C	-30 'C TO 70 'C	-30 'C TO 70 'C
MAX.				

**ARANKA**

CE -2209

ISO 9001:2015
COMPANY**ARANKA INSTRUMENTS LLP**

FACTORY. :

50, NILKANTH INDUSTRIAL PARK,
AMBIKA TUBE COMPOUND,
NEAR OVER BRIDGE VATVA,GIDC,
Vatva, Ahmedabad - 382445.Web : www.arankainstruments.come-mail : utkarsh@arankainstruments.com, contact@arankainstruments.com

Cont. : (F) 09909035088,+91 93288 88879

**ORDER CODE SYSTEM**

e.g. FOR ORDER CODE

A I R H S T V R H 3 1 2 5 0

A I R H X X X X X X X X X X X

AIRH	A	I	R	H															
SENSOR TYPE																			
SENSOR ONLY					S														
SENSOR WITH TRANSMITTER					T														
PERAMETERS																			
HUMIDITY ONLY						H													
HUMIDITY WITH TEMPERATURE						T													
TEMPERATURE OUTPUT																			
TEMPERATURE OUTPUT IN OHMS							R												
TEMPERATURE OUTPUT IN 4~20mA							I												
NONE							N												
HUMIDITY OUTPUT																			
HUMIDITY OUTPUT IN 4~20mA								0											
HUMIDITY OUTPUT IN VOLT 0.9 TO 3.9V								1											
HUMIDITY OUTPUT IN VOLT 0 TO 1 V								2											
HUMIDITY OUTPUT IN VOLT 0 TO 2 V								3											
HUMIDITY OUTPUT IN VOLT 0 TO 3 V								4											
HUMIDITY OUTPUT IN VOLT 0 TO 5 V								5											
HEAD TYPE																			
FLAME PROOF HEAD									F										
NON FLAME PROOF HEAD									N										
HANGING TYPE									H										
Wall Mounting									W										
HANGING CABLE OR NOT																			
NON										A									
HANGING TYPE CABLE LENGTH IN METERS										X									
DUCT CONNECTION																			
NON											0								
CONNECTION 3/4" BSP											1								
CONNECTION 1/2" BSP											2								
SENSOR STAM LENGTH																			
LENGTH AFTER THREAD [50~300MM]																X	X	X	

NOTE : X IS LENGTH

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