

Probe Type Humidity Transmitter

RH35-A

1 to 3.6 VDC Output
 5 VDC Operated

Process Precision Instruments
 Vasai Road (E), Dist. Palghar - 401210,
 Maharashtra, India

www.ppiindia.net



Salient Features

- Linear & Calibrated Voltage Output (1 to 3.6 VDC Output for 0 to 100%RH)
- Rigid & Sturdy Housing
- Compact Size, Easy Installation
- Enhanced Inside Protection through Coated Materials
- PTFE Filter for Protection Against Dusty Environment
- Supply Voltage : 5 VDC \pm 0.25V
- Dimensions : 15 mm Diameter X 80 mm Long

General Information

Product Type	RH Transmitter
Ordering Code	RH35-A with 3 Meter Cable (Larger Cable Length on Request)
Quantity	1 Unit

General Specifications

Housing Material	Powder Coated, Light Weight, Aluminium
Power Supply	5 VDC \pm 0.25V (Current Consumption 0.75 mA, Typical)
Working Environment	-40 to +85°C, 5 to 95%RH (Non-condensing)

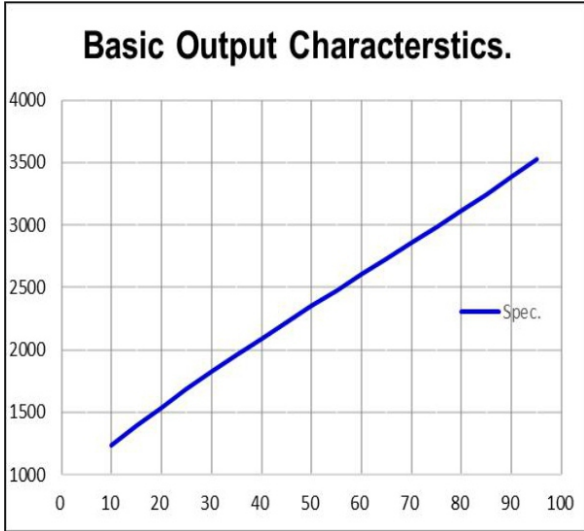
%RH (Relative Humidity)

Sensor Type	Capacitive (HumiChip ®)
Range	0 to 100%RH
Accuracy	\pm 3% @ 20°C & 60%RH
Temperature Coefficient	-0.05 %RH / °C
Response Time	7 Sec. Typical
Output	1 to 3.6 VDC (Refer Humidity Look-up Table)

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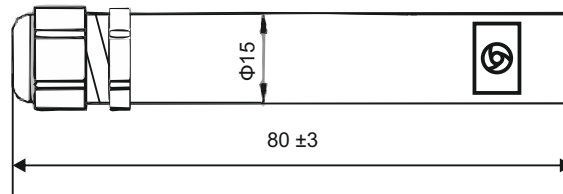
Humidity Look-up Table

Reference Output Values (V_{cc} = 5V, Temp. = 25°C)

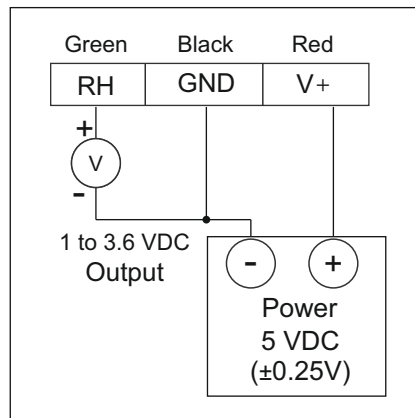


%RH	V _{out} (VDC)	%RH	V _{out} (VDC)
10	1.235	55	2.480
15	1.390	60	2.605
20	1.540	65	2.730
25	1.685	70	2.860
30	1.825	75	2.990
35	1.960	80	3.125
40	2.090	85	3.260
45	2.220	90	3.400
50	2.350	95	3.530

Dimensions (mm)



Wiring Instructions



Process Precision Instruments (An ISO 9001 : 2008 Company)

📍 101, Diamond Industrial Estate, Navghar, Vasai Road (E), Dist. Palghar - 401210, Maharashtra, India

☎ Sales : 8208199048 / 8208141446 Support : 07498799226 / 08767395333

✉ sales@ppiindia.net 🖱 www.ppiindia.net