

**NEW Humidity Indicator / Transmitter**



- ◆ Humidity and Temperature Indicator / Transmitter.
- ◆ This unit is used with a wet and dry sensor system (e.g. WDT-DW).
- ◆ The IN-HWD uses a microprocessor with formulae and look-up tables to obtain better than 1% accuracy for relative humidity over the range of 0~100°C.
- ◆ Note: The IN-HWD (rev2) replaces both the 2100-A4-HWD and the older IN-HWD.



[www.intech.co.nz/in-hwd](http://www.intech.co.nz/in-hwd)

MODEL	DESCRIPTION	PRICE
IN-HWD	<b>Input:</b> 1x wet bulb and 1x dry bulb. Standard: RTD Pt100, 3 wire DIN (0~100°C). <b>Output:</b> 1x humidity and 1x temperature. 2 channels: 4~20mA. <b>Resolution:</b> 0.025% Full scale. 12 bit. <b>Indicator:</b> Dual LED screens for humidity and temperature. <b>Standard Power Supply:</b> 85~264Vac / 95~370Vdc.	\$578.00
<b>OPTIONS</b>		
R4	4x 5A Relay Outputs	\$105.00
WS232	Serial Port RS232: Includes Modbus RTU	\$116.00
WS485	Serial Port RS485: Includes Modbus RTU	\$116.00
LV	Low Voltage Power Supply: 15~48Vac / 10~72Vdc.	\$64.00

**Humidity wet and dry tank**



[www.intech.co.nz/wdt-dw](http://www.intech.co.nz/wdt-dw)

- ◆ Humidity tank with wet and dry sensors.
- ◆ For the measurement of relative humidity, RH%.
- ◆ Commonly used with the IN-HWD Humidity Indicator/Transmitter.
- ◆ Constructed of 316 stainless steel.

MODEL	DESCRIPTION	PRICE
WDT-DW	Sensors: RTD, Pt100, Band 5. 4.8ø x 150. Others by request. Fill port: 1/8" BSP nipple. Overflow port: 1/8" BSP nipple. Mount: Wall or duct mount. Cable: 4 metres.	\$560.00
WDT-WICK	Spare wick for wet bulb sensor.	\$5.00

**Humidity transmitters**



LPN-H-D

LPN-H-Flange



LPN-H-W

- ◆ Dual output, 4~20mA loop powered.
- ◆ Outputs, % RH and Temp.
- ◆ NEW Sensirion SHT25 Digital humidity sensor.
- ◆ Pt100 RTD sensor.

MODEL	DESCRIPTION	PRICE
LPN-H-D (Rev 1)	<b>Humidity and temperature transmitter, 220mm Duct mount.</b> Dual output, each loop powered. temperature: 4~20mA = 0~100°C. humidity: 4~20mA = 0~100% RH.	\$432.00
LPN-H-Flange	Optional 100mm flange for LPN-H-D.	\$106.00
LPN-H-W (Rev 1)	<b>Humidity and temperature transmitter, Wall mount.</b> Dual output, each loop powered. temperature: 4~20mA = 0~100°C. humidity: 4~20mA = 0~100% RH.	\$398.00
<b>Calibration canisters:</b>		
LPN-H-75	Calibration canister with 75% RH salt solution.	\$160.00
LPN-H-43	Calibration canister with 43% RH salt solution.	\$160.00
LPN-H-33	Calibration canister with 33% RH salt solution.	\$160.00

[www.intech.co.nz/lpn-h](http://www.intech.co.nz/lpn-h)



**Calibration system for LPN-H series Humidity sensors:**

The LPN-H-Ref system is designed to allow *in situ* calibration of LPN-H-W and LPN-H-D humidity Transmitters. The LPN-H-Ref system consists of corrosion resistant stainless steel canisters containing humidity regulating salt solutions that replace the black protective filter on the sensor.

**Important Note:** It is essential that the humidity sensor is mounted vertically with the filter at the bottom to prevent spillage.