

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.



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MODEL	DESCRIPTION	PRICE
IN-HWD	Input: 1x wet bulb and 1x dry bulb. Standard: RTD Pt100, 3 wire DIN (0~100°C). Output: 1x humidity and 1x temperature. 2 channels: 4~20mA. Resolution: 0.025% Full scale. 12 bit. Indicator: Dual LED screens for humidity and temperature. Standard Power Supply: 85~264Vac / 95~370Vdc.	\$578.00
OPTIONS		
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

- ◆ 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)	Humidity and temperature transmitter, 220mm Duct mount. 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)	Humidity and temperature transmitter, Wall mount. Dual output, each loop powered. temperature: 4~20mA = 0~100°C. humidity: 4~20mA = 0~100% RH.	\$398.00
Calibration canisters:		
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

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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.

4~20mA Weather Sensor Transmitters

Weather Sensor Transmitters are a tool for the observation and recording of meteorological data. The sensors can monitor air temperature, humidity, barometric pressure, light intensity, wind speed, wind direction and rainfall. The output signals from the sensors are industrial standard 4~20mA (loop powered). This allows for easy integration into a SCADA or PLC monitoring system.

Individual Sensors:		
MODEL	DESCRIPTION	PRICE
Weather Sensor Transmitters. All with 4~20mA output signal (loop powered).		
H-CL-E	Humidity sensor c/w 1.5m cable.	\$260.00
T-CL-E	Temperature sensor c/w 1.5m cable.	\$220.00
BP-CL-E	Barometric Pressure sensor c/w 1.5m cable.	\$260.00
LE-CL	Light Energy sensor c/w base plate and 5m cable.	\$490.00
WS3-CL	Wind speed (3 cup Anemometer) c/w 5m cable (1.5m/sec starting speed).	\$760.00
WS6-CL	Wind speed (6 cup Anemometer) c/w 5m cable (0.45m/sec starting speed).	\$1080.00
WD-CL	Wind direction c/w 5m cable.	\$760.00
RAIN-CL	0.2mm Rain Gauge (4~20mA output via included PI-F transmitter).	\$912.00
Mounting Options:		
LB	L-Bar with attachment plate and two 50mm U bolts.	\$130.00
TB	T-Bar with attachment plate and two 50mm U bolts.	\$180.00
Shield	Solar Radiation Shield - used for more accurate measurement of temperature, humidity and barometric pressure sensors (Does not include Sensors). Must be attached to an L-Bar or T-Bar.	\$310.00



WS3-CL
Wind Speed
(3 cup Anemometer)



RAIN-CL
0.2mm Rain Gauge



Solar Radiation **Shield**
(shown attached to **LB** L-Bar)



LE-CL
Solar Radiation /
Light Energy
(Pyranometer)



WD-CL
Wind Direction

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Note:

The L-Bar and T-Bar mounting arms have an attachment plate with holes that can be used for mounting to 50mm (2inch) or 25mm (1inch) diameter pipe or bolting to posts or buildings. The L-Bar and T-Bar are supplied complete with two 50mm (2inch) U bolts.

Fully Mounted Options:		
MODEL	DESCRIPTION	PRICE
Weather Sensor Transmitters. 4~20mA Outputs.		
WS3-WD-TB-CL	Wind speed 3 cup (starting speed = 1.5m/sec), wind direction, mounted on Tbar mounting arm c/w 5m cable.	\$1750.00
WS3-WD-LE-TB-CL	Wind speed 3 cup (starting speed = 1.5m/sec), wind direction, light energy, mounted on Tbar mounting arm c/w 5m cable.	\$2170.00
Options:		
WS6	Fit WS6 (Wind speed 6 cup), instead of WS3 on above Tbar options (used for lower starting speed = 0.45m/sec).	\$370.00
THP-CL	Temperature, Humidity and Barometric Pressure sensors, all housed in a Solar Radiation Shield c/w 5m cable, mounted on the above Tbar options.	\$1180.00



WS3-WD-TB-CL
with **THP-CL** option