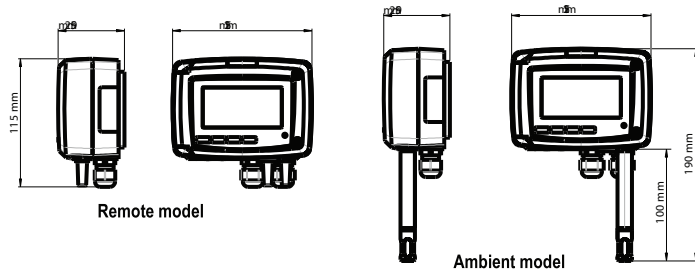


Kimo Humidity / Temperature Transmitter



Features

- Configurable measuring ranges from 5 to 95%RH and from -40 to +180 °C (according the type of probe)
- Functions : relative and absolute humidity, dew point, wet and dry temperature and enthalpy
- Stainless steel or polycarbonate probe
- 4 wires analogue output 0-5/10 V or 0/4-20 mA
- Power supply 24 Vdc/Vac or 115/230 Vac
- Trend indicator
- ABS V0 IP65 housing, with or without display
- "¼ turn" system mounting with wall-mount plate



SPECIFICATIONS

	Humidity	Temperature
Measuring range	From 5 to 95% RH	from 0 to 50 °C* from -20 to +80 °C** from -40 to +180 °C***
Accuracy	±1.5% RH (if 15°C ≤ T ≤ 25°C)	±0.3 % of reading ±0.25 °C
Drift linked to temp	±0.04 x (T-20) %RH (if 15°C ≤ T ≤ 25°C)	-
Units of measurement	% RH	°C/°F
Response time	<10 seconds (from 10 to 80%RH, V _{air} = 2 m/s)	T ₉₀ = 0.9 second for V _{air} = 1 m/s
Type of sensor	capacitive	Pt100 1/3 as per DIN IEC751
Resolution	0.1%RH	0.1°C
Analogue Output	configurable from 0 to 100% RH	-
Factory adjustment uncertainty	±0.88% HR	-
Type of Fluid	Air and neutral gasses	Air and neutral gasses

*ambient model

**remote model with polycarbonate probe

***remote model with stainless steel probe

Power supply	24 Vac / Vdc ±10 %, 115 Vac or 230 Vac ±10 %, 50-60 Hz	
Output	2 x 4-20 mA or 2 x 0-20 mA ou 2 x 0-5 V ou 2 x 0-10 V (4 wires) Maximum load : 500 Ohms (0/4-20 mA); Minimum load : 1 K Ohms (0-5/10 V)	
Galvanic Isolation	Inputs and outputs (models 115 Vac/230 Vac); Outputs (models 24 Vac/Vdc)	
Consumption	5 VA	
Electromagnetical compatibility	EN61326	
Electrical connection	Screw terminal block for cable 2.5 mm ²	
PC communication	Kimo USB-Mini Din cable	
Environment	Air and neutral gasses	
Operating temperature	From 0 to +50 °C	
Storage temperature	From -10 to +70 °C	

Probe Features	White Polycarbonate Probe	316L Stainless Steel Probe
Measuring range	From -20 to +80 °C	From -40 to +180 °C
Length of standard probe	100 mm	-
Length of remote probe	150 or 300 mm (other on request)	150 or 300 mm (other on request)
Cable	Silicone Ø4.8 mm, length 2 m (other on request)	

MODEL

TH210	-	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>
Power Supply/Output	B: 24Vac/Vdc H: 115 or 230Vac		Display	O : with display N : without display		Mounting of Probe	D: Remote S: Ambient	
			Probe type	I: Stainless steel P: Polycarbonate		Probe length (mm)	150: remote 300: remote	

Example : TH210 - BNDP150 = Humidity and temperature transmitter, power supply 24 Vac/Vdc without display, with remote probe in polycarbonate of 150mm length