

# H3531R - 0 to 100% Humidity Sensor

Model: H3531R



0 to 100% Humidity Sensor

H3531R 0 to 100% Humidity Sensor 3-pin 2-wire sensor

0 to 100% Humidity Sensor 0.1°C, 0.1%RH 2s

Table

Humidity	0 to 100%
Humidity Accuracy	±2.5% RH (5 to 95% at 23°C)
Humidity Resolution	±0.4°C
Temperature	0.1°C, 0.1%RH
Response Time	2s
Operating Voltage	5V
Operating Current	~10mA
Operating Temperature	±1.5°C (RH < 30%) -60 to +80°C
Humidity Range	±1.5g/m <sup>3</sup> (T < 25°C) 0 to 400 g/m <sup>3</sup>
Humidity Accuracy	±2g/kg (T < 35°C) 0 to 550 g/kg
Humidity Resolution	±2g/kg (T < 35°C) 0 to 995 g/kg
Humidity Accuracy	±3kJ/kg (T < 25°C) 0 to 995 kJ/kg
Temperature compensation of the humidity sensor	all temperature range
Operating Temperature	-30 to +80°C
IP Rating	IP30
Humidity Accuracy	2
Operating Voltage	50V, 2A, 60VA
Humidity Accuracy	3
Humidity Accuracy	500ms
Humidity Accuracy	0 to +0.5V
Humidity Accuracy	+3.0 to +30V
Humidity Accuracy	0 to 100%
LAN	RJ-45 10Base-T 100Base-TX
Humidity Accuracy	WWW, ModbusTCP, SNMPv1, SOAP
Humidity Accuracy	E-mail (SMTP) SNMP Trap Syslog
Humidity Accuracy	T-Sensor, Telnet, keyboard

LCD	+70°C +70°C LCD
	0.025mm -
	12Vdc, 1W
	co-axial, 5.5 x 2.1mm
	1m, 2m or 4m
	483 x 44 x 45 mm (W x H x D), 19
	1090g - 1
	3