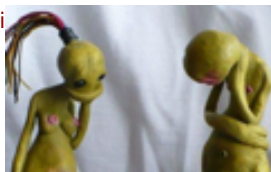


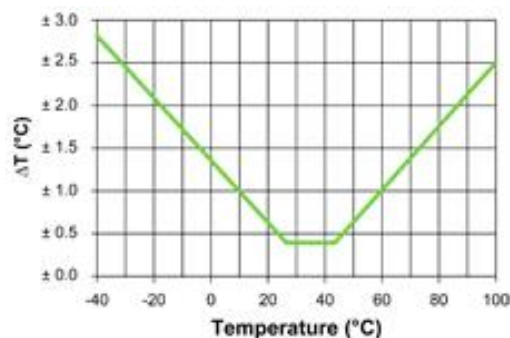
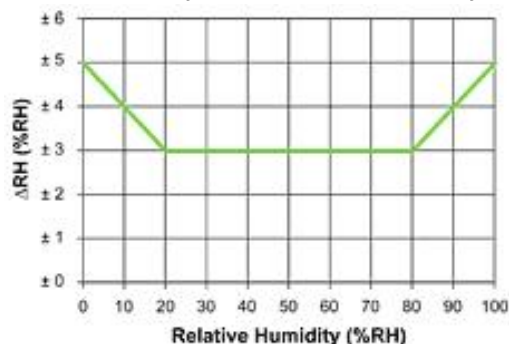
Spoločnosť Sensirion AG predstavila nový miniatúrny snímač relatívnej vlhkosti a teploty SHT21.

Jedná sa o extrémne miniatúrny snímač s digitálnym výstupom (I2C) obsahujúci snímač, kalibračnú pamäť a digitálne rozhranie v púzdre o rozmeroch iba 3x3mm.

Vlastnosti



- Output: I2C digital, PWM and SDM/analog Volt interface
- Energy consumption: 1.5uW (at 8 bit, 1 measurement / s)
- RH operating range: 0 - 100% RH
- T operating range: -40 - +125°C (-40 - +257°F)
- RH response time: 8 sec (tau63%)
- Maximal accuracy limits for relative humidity and temperature:



Parameter	Conditions	min	typ	max	Units
Supply Voltage, VDD		2.1	3.0	3.6	V
Supply Current, IDD ⁶	sleep mode	-	0.15	0.4	μA
	measuring	270	300	330	μA
Power Dissipation ⁶	sleep mode	-	0.5	1.2	μW
	measuring	0.8	0.9	1.0	mW
	average 8bit	-	3.2	-	μW
Heater	VDD = 3.0 V	5.5mW, ΔT = + 0.5-1.5°C			
Communication	digital 2-wire interface, true I ² C protocol				

Odkazy

[SHT21 Homepage](#)

[SHT21 Datasheet](#)

Distribúcia

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