

ChipCap 2 | Humidity & Temperature Sensor

ChipCap 2 offers the most advanced and cost effective humidity and temperature sensing solution for virtually any type of application. A capacitive polymer sensor chip and CMOS integrated circuit with EEPROM are integrated into one embedded system in a reflow solderable SMD package.

Individually calibrated and tested, ChipCap 2 performs at $\pm 2\%$ from 20% to 80% RH ($\pm 3\%$ over entire humidity range). It is simple and ready to use without further calibration or temperature compensation.

ChipCap 2 provides linear output signals in various interfaces to customer requirements, including digital or analog output with alarm function.



ChipCap 2

ChipCap 2-SIP | Humidity & Temperature Sensor

ChipCap 2-SIP offers all of the features and benefits of the ChipCap 2 in a Single In-line Package (SIP) with ready installed V-core capacitor for easy and convenient application.

Features

- Fully-calibrated and temperature-compensated
- Digital or analog output with alarm function
- Precise and accurate ($\pm 2\%$ RH, $\pm 0.3^\circ\text{C}$, 14 bit)
- Free operating voltage (min 2.7V to max 5.5V)
- Low current consumption
- SMD package for automated assembly
- Reliable in harsh environments

Applications

- Energy saving HVAC control - air conditioning, refrigeration, indoor air quality, vent fans, home appliances, humidifiers/dehumidifiers
- Process control & instrumentation - medical instruments, handheld devices, weather stations, food processing, printers, RFIDs
- Automobile & transportation - cabin climate control, defogging control condensing preventive devices
- Medical - nebulizers, oxygen, CPAP/sleep apnea devices
- Mass quantity applications - custom OEM specifications



ChipCap 2 SIP

HS | Relative Humidity Sensors

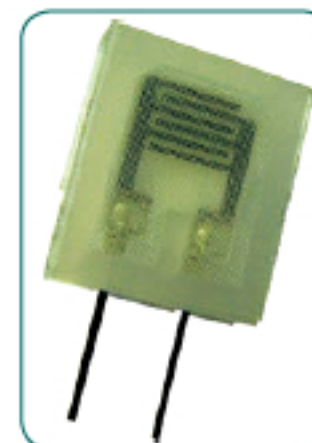
Telaire offers many polymer-based Relative Humidity Sensors that are reliable in harsh environments, instrumentation and HVAC control applications.

Features

- Good, long-term reliability
- Cost-effective performance
- Quick response

Applications

- Humidity monitors and controllers
- Air conditioners
- Humidifiers/dehumidifiers
- Automatic ventilation



HS30P



HS12SP