



# HS1101LF

**Product code:** HS1101LF

**Manufacturer:** MEAS France

Based on a unique capacitive cell for humidity measurement and a Negative Temperature Coefficient (NTC) thermistor for temperature measurement, this dual purpose relative humidity / temperature miniaturized sensor is designed for high volume, cost sensitive applications with tight space constraints. It is useful in all applications where dew point, absolute humidity measurements or humidity compensation are required.

#### **Characteristics:**

- 1) Humidity measuring range: 1- 99%RH
- 2) Supply voltage: 10V
- 3) nominal capacitance: 177-183PF, (typ 180PF)
- 4) averaged sensitivity from 33% to 75% RH:  
0.31PF/%RH
- 5) time constant(33 to 80%RH, still air @63%t: 3s,  
(max 5s)

<b>Humidity range</b>	1 ~ 99% RH
<b>Sensor type</b>	Capacitive humidity