

## Wet & Dry Bulb Temperature

A660611

IM5042

**IM505CD**

IRTEMP


**IM505CD**

The highly reliable and experienced SMT 160-30 is built in a waterproof housing, covered by a cotton tissue and wetted by water. This is the most accurate way to directly determine the dew point.

Sensor	SMT160-30
Supply voltage	4.57 - 7 V
Supply current	max. 200 $\mu$ A
Short circuit protection	infinite (within supply voltage range)
Short circuit supply current	max. 40 mA
Operating temp. range	-30° C to +99° C
Accuracy	min. 0.3° C (-30° C to +99° C)
Calibration error	max. 0.25° C (23° C)
Nonlinearity error	max. 0.2° C
Supply voltage sensitivity	max. 0.1° C/V
Repeatability	max. 0.2° C
Long term drift	max. 0.1° C
Output frequency	1 to 4 kHz
Duty cycle	0.320 (0° C), 0.00470°/C
Evaluation	Analog
Cable length	5 m
Part.no. IM505CD	Single wet & dry bulb temperature
Part.no. IM504CD	Single wet bulb temperature