

# CMP5000

## Probe for Maturix® Humidity and Temperature Monitoring

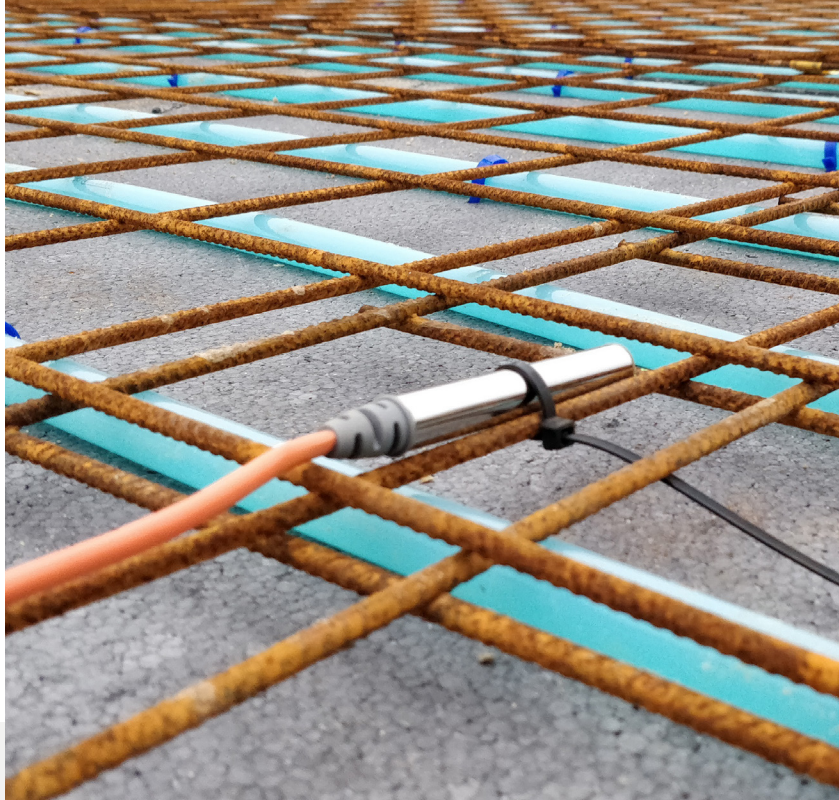
### Overview

The CMP5000 is a relative humidity and temperature probe for Maturix® Concrete Humidity Monitoring. It is used together with the Gaia 220 transmitter and can be used for fresh and hardened concrete.

The CMP5000 probe is equipped with an Anti-Drift System, allowing prolonged exposure to high humidity levels without damaging the sensor.

Install the CMP5000, connect it to the Gaia 220 and the data is sent wirelessly to the cloud. The humidity and temperature readings are available in the web portal. The concrete drying process can be followed in real-time, and you can access the data from anywhere.

The Gaia 220 transmitter can be reused again and again. The CMP5000 probe can be either embedded into concrete or installed using a borehole method, making it reusable, especially if installed using the available liner.



### ✓ Features

- Relative humidity and temperature measurements with Gaia 220 transmitter
- Anti-Drift-System for prolonged humidity exposure
- Hole liners available as accessories

### 👍 Benefits

- Accurate long-term humidity measurements
- Flexible and versatile usage - designed for use in fresh and hardened concrete
- Cost-efficient relative humidity monitoring

### Maturix® Humidity and Temperature Monitoring

Maturix combines durable hardware, smart wireless technology and user-friendly software into a powerful concrete monitoring tool. The system provides in-depth insights into the drying status and shows real-time relative humidity and temperature data.

## Specifications

### Humidity Measurements

Range	0 to 100 %RH <sup>1</sup>
Tolerance	±2 %RH
Resolution	±0.1 %RH
Long-term Drift	<0.5%RH/year <sup>2</sup>
Equilibrium Time	Min. 6 hours

### Temperature Measurements

Range	-40 to 70 °C (-40 to 158 °F)
Tolerance	±0.3 °C (±0.54 °F)
Resolution	±0.1 °C (±0.18 °F)

### Use and Storage

Temperature	-30 to 50 °C (-22 to 122 °F)
Humidity	0 to 100 %RH
Ideal Storage Temperature	Indoor, 20 to 30 °C (68 to 86 °F)
Ideal Storage Humidity	20-65 %RH, preferable in sealed container with silica bag


### Mechanical Specifications

Probe Dimensions (Ø x L)	14 x 118.2mm (0.55 x 4.65 in)
Cable Length	2 meter (6.56 ft)
Weight	135 g (4.76 oz)
Materials	Probe: Stainless steel and TPU plastic (grey) Cable: PE (orange)
IP Rating	IP64

**Standards** Designed to comply with ASTM F2170

Part No.	Models
33001	CMP5000
33001-010	CMP5000 plastic liner sleeves (10pcs.)
33001-100	CMP5000 plastic liner sleeves (100pcs.)

**HS Code** 90259000

 For operation at high humidity, please ensure connection to a battery powered Gaia 220 to maintain precision.

<sup>1</sup>Long-term exposure to conditions outside normal humidity range (20-80% RH) may accelerate ageing. Learn more: [maturix.com/drift](https://maturix.com/drift).

<sup>2</sup>Typical value for operation in normal RH/T operating range. Learn more: [maturix.com/drift](https://maturix.com/drift).

