

# Concrete Corrosion Sensor

REBAR CONCRETE CORROSION SENSOR 16.1010

## FEATURES

- Corrosion Initiation Measurement
- Corrosion Propagation Measurement
- Measures at 4 depths in the concrete cover
- Installation in new structures or during refurbishment
- Optimised for SensCore Datalogger 16.2010

The SensCore Corrosion Sensor measures two critical parameters for the evaluation of the corrosion condition of a reinforced concrete structure: corrosion initiation and corrosion rate. Those two measurements are performed at four different depths, between the concrete surface and the reinforcement bars depth. This allows the evaluation of the corrosion front progression. The owner can therefore determine how quickly the corrosion front is approaching the rebars and plan appropriate interventions accordingly.



These sensors are also useful in for epoxy coated rebars, because they indicate the possibility of corrosion in case of epoxy damage.

Used in conjunction with the SensCore Humidity Sensor, it provides a complete picture of the corrosion initiation and progression in a reinforced concrete structure.

## TECHNICAL SPECIFICATIONS

<b>Sensor Material</b>	Ordinary uncoated dummy rebar (mild steel) Stainless Steel
<b>Dummy rebar length</b>	60 mm
<b>Dummy rebar diameter</b>	8 mm
<b>Dummy rebar position</b>	4 positions up to 80 mm depth
<b>Connecting Cable length</b>	1 <sup>st</sup> rebar at adjustable depth 5 m (can be shortened during installation)

