STRUCTIVATE
Concrete Corrosion Intelligence

Continuous Condition Intelligence for Reinforced Concrete

TECHNICAL SPECIFICATION

RESISTIVITY	4-Point Probe
Range/Acc.	100 Ω·cm – 1,000 kΩ·cm , ± 1%

VIBRATION	Accelerometer
Range/Acc.	1mg at ±2g to 12mg at ±16g

HALF CELL ELECTRODE	Ag.AgCl (0.5 M KCl)
Range/Acc.	Nominal E: -15 mV vs SCE 24 h stability: ± 3 mV 10 yr drift: ± 5 mV

TEMP/HUMIDITY	Embedded
Range/Acc.	-25°C to +65°C (± 0.2°C) 0 to 100 RH% (± 2%)

COMMUNICATIONS	LTE NB-IoT 4G
Power	Li-$SOCl_2$ (6 year life)

DIMENSIONS (mm)	Resistivity Probe - 22Ø x110L Half-Cell - 22Ø x50L Power Unit - 110L x 106W x 56H
Sensor weight	650g

WHERE WE OPERATE

Our system is designed for **reinforced concrete infrastructure**, including:

- Bridges & Highways
- Wastewater
- Parking Structures
- Marine & Coastal



WHAT YOU GET

- Continuous condition data
- Improved inspection scheduling
- Intervention at the right time
- Early-stage risk detection
- Data-driven capital planning

structivate.ai
info@structivate.ai