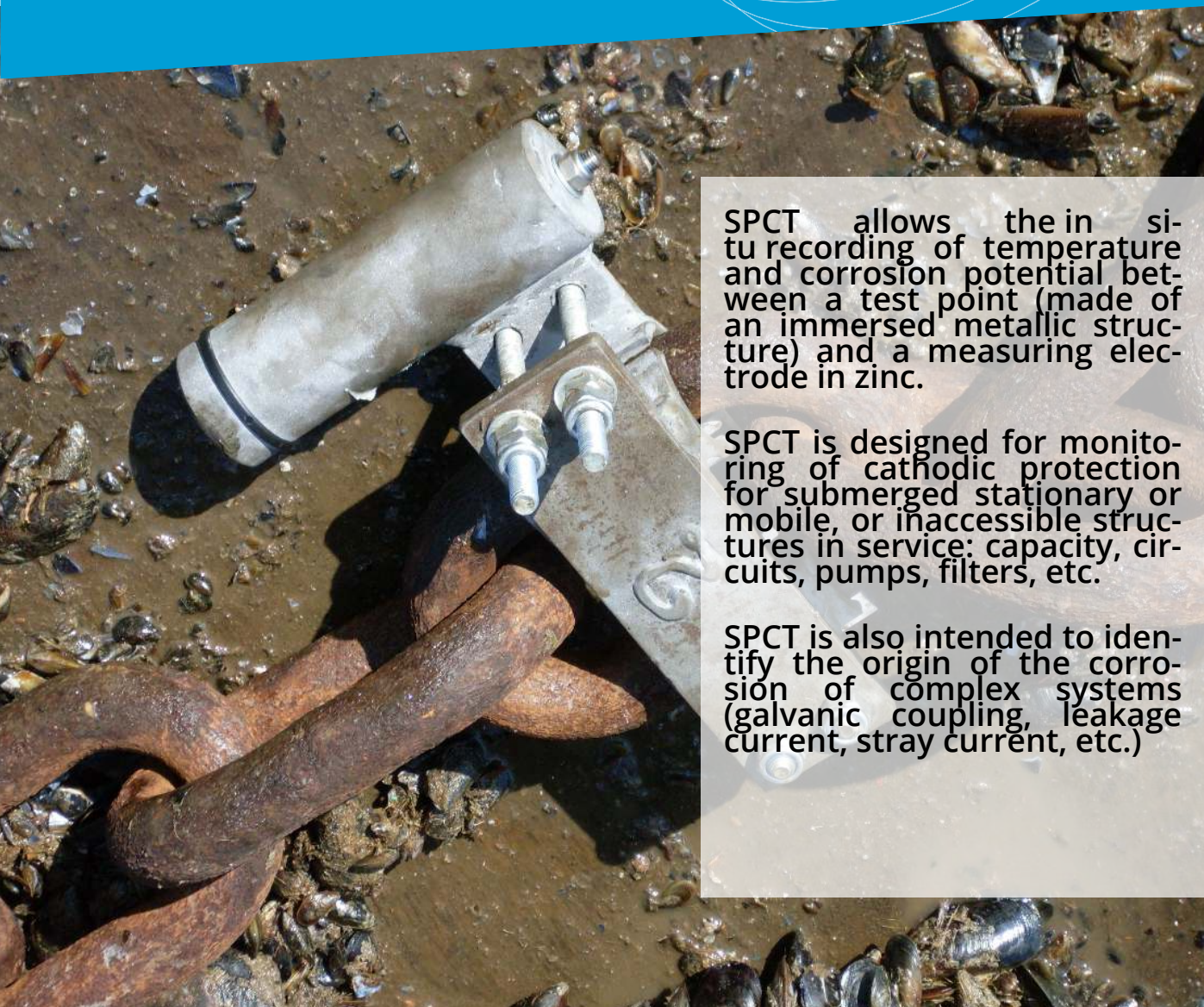


# SPCT

*Corrosion potential and temperature data logger*



Data loggers



SPCT allows the in situ recording of temperature and corrosion potential between a test point (made of an immersed metallic structure) and a measuring electrode in zinc.

SPCT is designed for monitoring of cathodic protection for submerged stationary or mobile, or inaccessible structures in service: capacity, circuits, pumps, filters, etc.

SPCT is also intended to identify the origin of the corrosion of complex systems (galvanic coupling, leakage current, stray current, etc.)

# nke

INSTRUMENTATION

www.nke-instrumentation.com



# SPCT corrosion potential data logger

## DESIGNATION

## SPCT

<b>Logger</b>	Measuring rate	Programmable from 1 s to 99 h
	Clock drift	1 min / month
	Interface PC	Electromagnetic transmission without connector (connected to a serial PC port)
	Using temperature	-10 °C / +45 °C
<b>Autonomy</b>	Memory	Recording 10s : > 4 month Recording 10mn : > 5 years
	Power	OFF : > 5 years Recording 10sec : > 22 month Recording 10mn : > 3 years
<b>Voltage</b> The voltage measured corresponds to the potential difference between the test point and the measuring electrode in pure zinc.	<b>Standard range</b> <i>Example: stainless steel, monitoring</i>	Measuring range: -1900mV to +1900mV Resolution: < 1.5 mV Accuracy (hysteresis, linearity and repeatability): +/- 10mV High impedance input: > 109 Ω
<b>Temperature</b>	Measurement range Maximum resolution Accuracy Response time	:-2°C/+30°C. 11m°C at 0°C, 13m°C at 10°C, 20m°C at 20°C < 0.5°C < 10 min at 63%
<b>Mechanical features</b>	Dimensions	length: 165mm, diameter: 35mm.
	Materials	Body made of engineered plastic, plug, threaded rod and nut made of Titanium.
	Weight in air	approx. 200g
	Maximum immersion	450 m.



**nke**  
INSTRUMENTATION



Sales department  
Tel : +33 (0)2 97 36 41 31 - Fax : +33 (0)2 97 36 55 17  
info.instrumentation@nke.fr  
www.nke-instrumentation.com

