

非極化電極

官方網站 產品頁:

<http://borin.com/products/stelth-2/>



**STELTH<sup>®</sup> 2** reference electrodes in palladium, copper, silver, & zinc chemistries

## STELTH 2

**BORIN<sup>®</sup> STELTH<sup>®</sup> 2** Solid-State Reference Electrodes for Buried and Concrete Service

The **STELTH<sup>®</sup> 2** is our most versatile reference electrode, as it **works well in most environments** – from moist to dry, and from soil to concrete.

The **STELTH 2** features our **proprietary ceramic** made with our **Moisture Retention Membrane (MRM™)**, which lets moisture in, traps it within the ceramic, and keeps the cell's internal electrolytes from leeching or drying out in desert soil.

The **32 in<sup>2</sup> of ceramic sensing surface area** also gives the **STELTH 2** the versatility to work with the desert's common soil condition variations, ranging from hydrated to dehydrated. (If the soil gets dehydrated, there is no electrical path to take a reading, but once the moisture comes back, the reference electrode will reactivate and be ready to take readings.)

This **large sensing area** of the **STELTH 2** also makes your job easier by making electrode positioning less critical, as you can achieve accurate readings from a wider variety of placements. (Whenever possible, it is optimal to install a stationary electrode at the spring line of the structure to eliminate IR-drop and achieve a more accurate reading.)

**Also see: STELTH<sup>®</sup> 6:** A smaller version of the 2" thick **STELTH 2**; at only 3/4" wide, the **STELTH 6** needs a much smaller hole drilled for installation, making it ideal for concrete applications.


Just a few reasons BORIN<sup>®</sup> STELTH<sup>®</sup> solid-state reference electrodes are unique:

- Never need recharging or recalibrating
- Impregnated with membrane that keeps electrolytes from drying out or getting contaminated
- Trap hydrogen sulfide or excess chloride ions before they cause damage
- Let you know when you have dangerous levels of AC to deal with
- Can thrive in ALL environments, even those chemically detrimental to other reference electrodes
- Remain accurate for their lifetime
- Won't die every winter

BORIN stands behind every STELTH reference electrode you buy:

- We test EVERY SINGLE reference electrode we make
- You can track/trace any STELTH
- Every STELTH is calibrated for the life of the cell
- Our STELTH reference electrodes will work for years and remain stable after you retire

FEATURES	MODELS	INSTRUCTIONS	SPECIFICATIONS	DRAWINGS	ORDERING INFO
	<b>Uses</b>	Buried and Concrete Applications			
	<b>Size</b>	1.5" (38.1 mm) width x 7.5" (178 mm) length			
	<b>Standard Lead wire</b>	20' (15 m) of #14 (2.5 mm <sup>2</sup> ) RHH-RHW wire (any length of wire available)			
	<b>Material</b>	Ceramic with Moisture Retention Membrane (MRM™)			
	<b>Service Life</b>	Minimum 30-year service life			
	<b>Shelf Life</b>	Infinite shelf life, infinite stability			
	<b>Color Code</b>	Palladium-Palladium Chloride / Pd-PdCl <sub>2</sub> : orange ■ Copper-Copper Sulfate / Cu-CuSO <sub>4</sub> : yellow ■ Silver-Silver Chloride / Ag-AgCl : blue ■ Zinc-Zinc Sulfate / Zn-ZnSO <sub>4</sub> : red ■			
	<b>Certified Potential Range</b>	±5 millivolts vs. standard			
	<b>pH Range</b>	4–9 pH			
	<b>Working Temperature Range</b>	32°F to +176°F (0°C to 80°C)			
	<b>Material Temperature Range</b>	-60°F to +185°F (-51°C to 85°C)			

FEATURES	MODELS	INSTRUCTIONS	SPECIFICATIONS	DRAWINGS	ORDERING INFO
 <p>Catalog Sheet: <b>STELTH 2</b> Reference Electrodes</p>	<b>STELTH® 2 – Hydrocarbon-Proof (Pd-PdCl<sub>2</sub>)</b> <b>Model SRE-041-HCP</b> For direct burial and concrete in <b>any chloride level</b> environment.				
	<b>STELTH® 2 – Copper-Copper Sulfate (Cu-CuSO<sub>4</sub>)</b> <b>Model SRE-007-CUY</b> For direct burial and concrete in <b>low chloride</b> environments (can tolerate chloride plus bromide levels up to 1,000 ppm).				
	<b>STELTH® 2 – Silver-Silver Chloride (Ag-AgCl)</b> <b>Model SRE-008-SUB</b> For direct burial and concrete in <b>seawater/chloride</b> environments (with chloride plus bromide levels in excess of 1,000 ppm but less than 19,000 ppm).				
	<b>STELTH® 2 – Zinc-Zinc Sulfate (Zn-ZnSO<sub>4</sub>)</b> <b>Model SRE-009-ZUR</b> For direct burial and concrete in <b>low chloride</b> environments (can tolerate chloride plus bromide levels up to 1,000 ppm).				

FEATURES	MODELS	INSTRUCTIONS	SPECIFICATIONS	DRAWINGS	ORDERING INFO
<b>BORIN® STELTH® 2 Solid-State Reference Electrode for Buried or Concrete Applications</b>					
<b>Dimensions of product:</b>	1.5" (38.1 mm) width x 7" (178 mm) length	<b>BORIN Manufacturing</b>			
<b>Standard lead wire:</b>	20' (15 m) of #14 (2.5 mm <sup>2</sup> ) RHH-RHW wire (any length of wire available)	<b>Address:</b>	5741 Buckingham Pkwy. Unit B, Culver City, CA 90230		
<b>Weight of STELTH 2 (no wire):</b>	0.95 lbs.	<b>Phone:</b>	(310)-822-1000		
<b>Weight of wire:</b>	10' wire = 0.20 lbs.	<b>Email:</b>	borin@borin.com		
<b>Weight of product in case:</b>	STELTH 2 + 20' of wire x 12 = 22 lbs. per case STELTH 2 + 50' of wire x 12 = 30 lbs. per case	<b>Standard shipping time:</b>	24 hours (or less) from order placement		
<b>Dimensions, case of 12:</b>	17.5" x 14.5" x 13.5"	<b>Minimum order:</b>	1 case of 12		

長:18[cm](不含線頭)

直徑:4[cm]

纜線長:15[m]

纜線規格:KRIS-TECH WIRE #14 AWG XLPE RHW-2 OR USE-2 600V(UL) RoHS

規格: 藍色(銀-氯化銀)

紀錄器的 ADC:CS5532

尺寸(不含連接頭):

長=20[cm]

寬=20[cm]

高=14[cm]

尺寸(不含連接頭):

長=25[cm]

寬=23[cm]

高=14[cm]

重量=1.6[kg]

頻道數:4

序號:

GFREC4ANA202005001

製造商:安研科技(AnaSystem)

名稱:大地電場高精度記錄器

電壓量測範圍設定: $\pm 10$ [V]

取樣率設定:15[Hz]