

Stirrer for Batch Injection Analysis Cell

Ref. BIASTIR

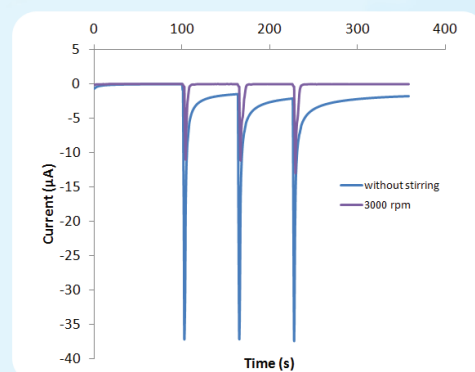


BIASTIR is the perfect accessory for **Batch Injection Analysis Cells** (ref. BIASPE02 and ref. BIASPE10). Batch injection analysis (BIA) is a non-flow injection technique that allows small sample volumes and the possibility of high speed and easy to use analysis. Stirring has an important effect on the peak current which quickly returns to baseline and therefore sampling frequency can be increased by increasing the stirring rate. Stirring reduces electrode fouling and makes easier the sample dilution in the electrolyte solution due to forced mass transport (by convection). The stirring rod in Teflon allows a precise control of the rotation rate and it is compatible with both references (BIASPE02 and BIASPE10).

General Specifications

• Power	USB cable (5 V) (included)
• Connection	Jack 2.5mm (Stirrer) to Jack 2.5mm (box)
• Potentiostat interface	Jack 3.5mm connector
	Input voltage through the 3.5mm jack connector should never be higher than 3.3V
• Operating modes	Speed 1: 500 r.p.m. Speed 2: 1500 r.p.m. Speed 3: 3000 r.p.m.
• Speed Tolerance	± 10 %
• Indicators	Green LED: Power ON

Specifications are subject to change without previous notice



Amperometric detection of potassium ferricyanide 1mM in KCl 0.1 M using the ref. BIASPE02 cell with ref. 110 electrode. E_{det} : -0.2 V; dispensation speed 3; injection volume 40 μ L; volume of KCl 0.1 M in the BIA cell 80 mL. Comparison signals with and without stirring.

Related products



BIASPE02



STAT400



CAST



STAT300

Full Catalogue



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