



Providing solutions for day to day use in Laboratory, Research and Industry.

Electrochemistry Special

May 2020

## NEW BASI BENCHTOP STAND-ALONE ELECTROCHEMICAL CELLS

BASI's benchtop stand-alone electrochemical cells can be used for various electrochemistry applications including cyclic voltammetry, square wave voltammetry, linear sweep and amperometry. Each glass cell holds up to 100mL of fluid and allows for testing 25-75mL of solution. Available as standard or water-jacketed and includes Teflon tubing for purging or blanketing solution.

### QVMF1051, Standard Stand-Alone Electrochemical Cell

Includes (1 each):

ER-9132 - Teflon coated stir bar  
MF-2052 - RE-5B Ag/AgCl electrode  
MW-1033 - Coiled Pt wire aux. electrode  
MR-1195 - 100mL glass cell  
MR-1199 - BE teflon cell top  
MR-1196 - Auxiliary electrode chamber  
MR-1198 - Auxiliary electrode bushing  
MF-2012 - Glassy carbon working electrode – 3 mm diameter  
MF-1035 - Teflon tubing 1/16" OD  
MR-1236 - O-ring for BE cell aux chamber

BASI's Water-Jacketed Standard Electrochemical Cell is similar to the Standard Electrochemical Cell (QVMF-1051), but is designed with water-jacketed glass which allows the user to perform electrochemical techniques at controlled and equilibrated temperatures.

### QVMF1060, Water-Jacketed Standard Electrochemical Cell

Includes (1 each):

ER-9132 - Teflon coated stir bar  
MF-2052 - RE-5B Ag/AgCl electrode  
MW-1033 - Coiled Pt wire aux. electrode  
MR-1194 - 100 mL water-jacketed glass cell  
MR-1199 - BE teflon cell top  
MR-1196 - Auxiliary electrode chamber  
MR-1198 - Auxiliary electrode bushing  
MF-2012 - Glassy carbon working electrode – 3 mm diameter  
MF-1035 - Teflon tubing 1/16" OD  
MR-1236 - O-ring for BE cell aux chamber

<https://www.prosense.net/en/products/voltammetry-basi/benchtop-stand-alone-electrochemical-cells/>

### RE-5B reference electrode 6mm OD x 75mm length

BASI's RE-5B reference electrode silver/silver chloride is available with 2 types of supporting electrolyte.

QVMF2052, Ag/AgCl (3M NaCl) Reference Electrode with Flexible Connector  
QVMF2056, Ag/AgCl (3M KCl) Reference Electrode with Flexible Connector

## Microfluidics Syringe pump

### NE-1002X Programmable Microfluidics Syringe Pump

The smoothest microfluidic syringe pump on the market, that can support your electrochemistry.

It holds 1 syringe up to 60 mL and has Infusion rates from 0.008 nL/hr (0.5  $\mu$ L syringe) to 2545  $\mu$ L/min depending on the syringe used. Dispensing accuracy of +/- 0.5% and reproducibility of +/- 0.2%

Also available in 2 channel version (Model NE-4002X).

<https://www.prosense.net/en/products/syringe-pumps/syringe-pumps/>

## Capillary Tubes

Capillaries (Luggin) are used for electrochemical measurements. The Luggin holds the reference electrode and is near the working electrode. The reference electrode senses the solution potential at this open tip. A variety of Luggin tubes are available for a broad spectrum of application

ProSense has many standard capillaries, but can also customize to the customer's specific application.

Standard sizes:

QM715X/4x50/CF, Glass Tube 4mm OD with Ceramic Frit, length 50mm  
QM715X/4x100/CF, Glass Tube 4mm OF with Ceramic Frit, length 100mm  
QM715X/6x60/CF, Glass Tube 6mm OD with Ceramic Frit, length 60mm

<https://www.prosense.net/en/products/electrode-reference/luggin-capillary/>

## Portable pH/mV meter - Special offer

- Watertight and dustproof to IP67 specifications
- Continue indication of electrode and battery status
- Automatic endpoint and buffer recognition
- Automatic Temperature Compensation
- Data memory for 30 GLP data points
- 3-point calibration with predefined or user-defined buffers
- **Kit includes;** Carrying case, pH4 & 7 buffer, KCl Storage solutions and pH electrode with temperature compensator (ATC).

<https://www.prosense.net/en/products/electrode-ph/lab-field-instruments/f410t/>



Normal Price	€ 649,16
<b>Special offer</b>	<b>€ 364,21</b>