

Thermo Scientific Dionex Omni Coulometric Electrochemical Cell

Versatile electrochemical cell for UHPLC/HPLC

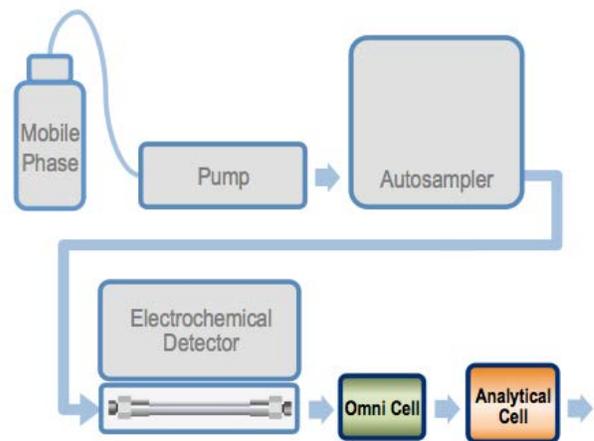
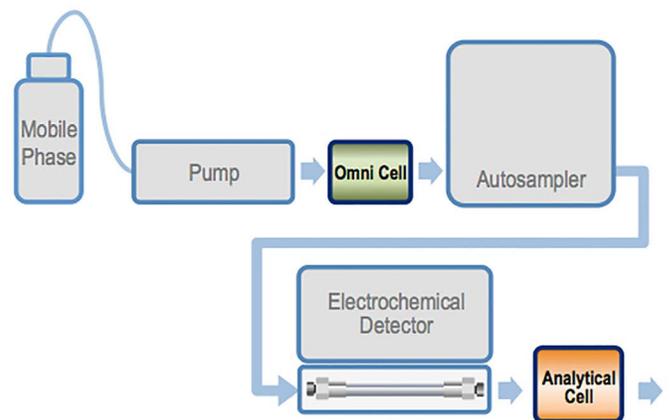
The Thermo Scientific™ Dionex™ Omni 6020RS Coulometric cell is a versatile single channel electrochemical sensor designed with a high surface area flow-through working electrode. The Omni sensor can remove unwanted impurities from the mobile phase or sample matrix. Expand your electrochemical detection capabilities by transforming specific analyte(s) for enhanced selectivity and improved sensitivity.

Features

- Maintenance-free
- Versatile, multi-role capability
- Plug-and-play simplicity
- Optimized for HPLC and UHPLC

Utilize the Omni Coulometric Sensor to:

- Provide “real-time” protection against mobile phase contamination
- Function as an independent sensor
- Eliminate unwanted sample and matrix effects
- Combine with other sensors for multiple analyte detection



Endorsed for Use with Every ECD-3000RS Detector

The 6020RS Omni Coulometric cell can be used in conjunction with either a dual channel 6011RS ultra Coulometric Analytical cell or a 6041RS Amperometric Analytical cell controlled by an installed DC potentiostat module in the Thermo Scientific™ Dionex™ UltiMate™ 3000 Electrochemical detector. This is the ideal safeguard to ensure your success in using electrochemical detection for your challenging analysis.



Ordering Information

Product	Cat. No.
6020RS Omni Coulometric Cell for ECD-3000RS detector. Includes: cell assembly, cell waste line kit and installation instructions.	6070.2100
Required for Operation with ECD-3000RS Detector	
DC Potentiostat module, dual channel (a minimum of 1 potentiostat module is required).	6070.1400
Additional Cells for ECD-3000RS Detector	
6011RS ultra Coulometric Analytical Cell for ECD-3000RS detector. Includes: cell assembly, cell waste line kit and installation instructions.	6070.2400
6041RS ultra Amperometric Analytical Cell for ECD-3000RS detector (installable working electrode are ordered separately). Includes: cell assembly, 2 gasket sets (25 and 50 nL), cell waste line kit and installation instructions.	6070.3000

Specifications

Detection Type	Electrochemical
Working Electrode	Micro-porous graphitic carbon
Potential Range	-300 to +1100 mV (vs. Pd)
Operating Pressure	620 bar (9000 psi, 62 mPa) maximum (at the inlet)
Internal Volume	5.7 µL
Wetted Materials	PEEK, Porous graphite, Palladium, PTFE
Fluid Connections	Inlet/Outlet: 10-32 female port (the use of BioViper™ MP35N alloy or NanoViper™ fused-silica-lined)
Operating Temperature	10–45 °C (50–113 °F), 18% to 80% RH, non-condensing
Solvent compatibility	Compatible with typical reverse- and normal-phase solvents
Size	38(H) × 44(W) × 53(D) mm (1.5 × 1.7 × 2.1 in)
Weight	190 g (6.7 oz.)

Find out more at thermofisher.com/ECdetection

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