

Amperometric detector

Metrohm has recently introduced an amperometric detector featuring optimized measuring cells that are said to be intelligent, maintenance-free and easy to use. As a consequence of their three electrode design in the wall-jet or thin-layer geometry, they reportedly exhibit strikingly low noise and excellent signal strength. A variety of 2 mm and 3 mm electrodes in gold, silver, platinum and glassy carbon are available. The maintenance-free auxiliary and reference electrodes are said to complement the chosen detection system. Depending on the application, the direct current mode (DC), the pulsed amperometric detection mode (PAD), the highly flexible integrated pulsed amperometric mode (flexIPAD) or the cyclovoltammetric mode (CV) may be used. The flexibility of the detector also includes the selection of the measuring signal — either current or charge. Metrohm offers the amperometric detector as inlay (IC Amperometric Detector) or stand-alone detector (896 Professional Detector). Both instruments can be used with the intelligent ion chromatography family, in series or parallel to other analytical channels.

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