6.1204.190

Platinum electrode tip

in a glass shaft, for CVS applications

Technical specifications

Electrode material	Platinum
Diameter of active area	1 ±0.02 mm
Shaft material	Glass
Shaft diameter	7 mm
Length	52.5 mm
Connecting thread	M3

swiss made

The salient features at a glance

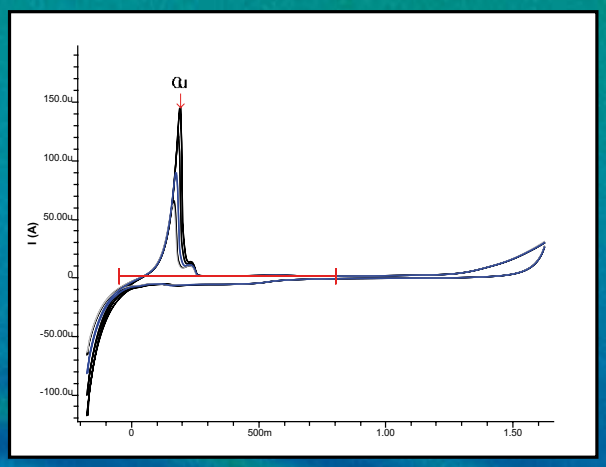
- **Excellent chemical resistance thanks to the exclusive use of glass and platinum**
- **Can be used in aggressive acids, bases, oxidants or solvents**
- **Long useful lifetime**
- **Excellent measurement stability and reproducibility**
- **Rapid conditioning**
- **Ideal for GLP-compliant work thanks to the serial number and individual quality certificate**
- **Very low background current**
- **Can be combined with all existing RDE drives equipped with M3 thread**
- **Fits all Metrohm VA Stands**

Short description

The high-grade platinum electrode tip with glass shaft has been specially designed for the determination of organic additives in galvanic baths using CVS (Cyclic Voltammetric Stripping). It is of course also useful for any other application carried out on platinum electrodes, especially if aggressive media are involved. Platinum as the electrode material and the glass shaft are the only materials that come into contact with the measuring solution. This means that the electrode tip has excellent chemical resistance and a long life – even in electrolytes such as concentrated mineral acids or organic solvents. The platinum rod is embedded into the glass by fusion. There is no gap between the two materials and no need for any filling or adhesive material. The perfectly polished surface of the platinum tip results in exceptionally low background currents – profit from this decisive advantage!
Each electrode tip carries an indelible serial number and thus can always be identified. Each electrode tip is accompanied by an individual test certificate, which facilitates GLP-compliant documentation.

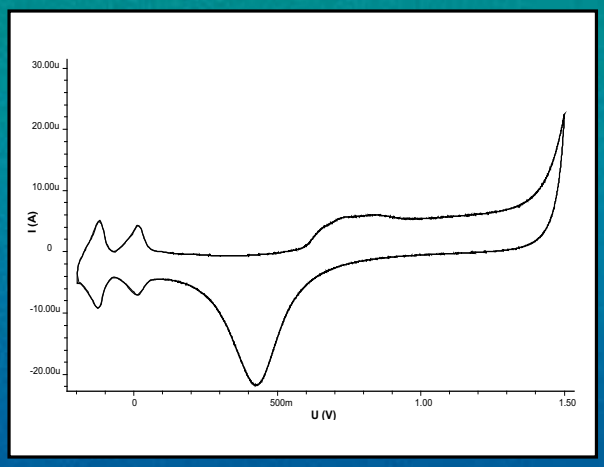
Applications

Determination of organic additives with CVS (Cyclic Voltammetric Stripping), for example in acidic copper baths, tin baths or tin-lead baths



Typical application: Determination of an organic additive in an acidic copper bath by means of CVS (Cyclic Voltammetric Stripping)

Applications of cyclic voltammetry in Research and Development



Cyclic voltammogram in 0.5 mol/L sulfuric acid

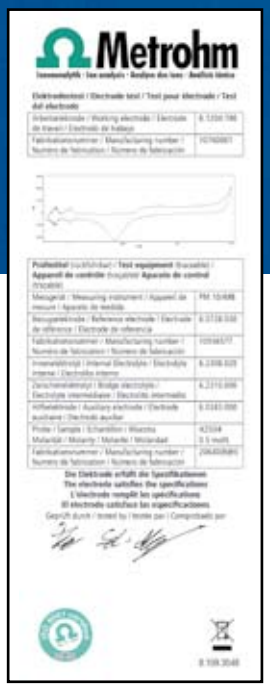
Ordering information

6.1204.190 Platinum electrode tip for CVS, polished

Corresponding RDE axle

6.1204.210 RDE drive with corrosion-resistant titanium axle

Certificate accompanying the 6.1204.190 platinum electrode tip



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