

Materials List for:

Method for Recording Broadband High Resolution Emission Spectra of Laboratory Lightning Arcs

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Materials

Name	Company	Catalog Number	Comments
Lightning Generator, including EMI shielded chambers, lightning rig and associated control and safety systems	Cardiff University	N/A	Designed, developed and constructed by Cardiff University
60mm diameter tungsten electrodes with copper mountings	Unknown	N/A	Available from any specialist electrode / high voltage equipment manufacturer
Spectrograph, including chassis, camera, optic fibre and control software	Andor	Chassis: SR-303i-B-SIL	
		Camera: DU420A-BU2	
		Optic Fibre: 249309 SR-OPT-8018-9RX	
		Software: Solis v4.25	
Mercury argon calibration source	Ocean Optics	HG-1	
Analysis software	Microsoft	Excel 2016	