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ABSTRACT

An electric conductometer comprising at least two electric conductivity measuring electrodes each body of which is made from a conductive metal and each surface of which is formed by a titanium oxide layer as an electrode surface, a space for storing a substance to be measured formed between the electrode surfaces of the electrodes, and means for irradiating light to the electrode surfaces. Since the electrode surfaces are formed from the titanium oxide layers, organic substances contained in a measuring system are decomposed and prevented automatically from adhering or being adsorbed to the electrode surfaces. Consequently, electric conductivity can be measured stably and accurately at all times without substantially requiring any cleaning.