ABSTRACT

A TESTING DEVICE FOR PRECIOUS METALS

A self contained testing device 100 for assaying precious metals includes a housing 110 for various mechanical and electronics components integrated to form a compact testing device. The testing device 100 includes a gel dispenser, e.g. syringe 200, an anode probe 650 to which may be attached a specimen holder 653 or crocodile clip 907, a cathode probe 634, and an electronic circuit 691 connected to the anode and cathode probes for conducting and recording tests. A sample 686 is held in the sample holder 653, e.g. by a spring clip 667, and gel is dispensed through a nozzle 115 to connect the specimen and cathode probe. The characteristics of the resulting cell are analysed and the results provided on a display 612.

[Fig. 6a]