

## II. INDUCED POLARISATION

### Instrumentation

The present induced polarisation survey was conducted using direct current, pulse-type equipment.

The I.P. transmitter employed is manufactured by Elliot Geophysical Company, Tucson, Arizona. This unit is rated at 1.5 KVA and is powered by a 2 KVA Alleco generator coupled with a 4 h.p. Briggs and Stratton motor.

The I.P. receiver used is of Newmont design and manufactured by Scintrex Limited, Ontario, Canada. This receiver operates using an integration window of 0.650 seconds duration, initiating at a time of 0.450 seconds after transmitter time off. (See figure 1. ).

### Data Reduction

On the Scintrex IPR-7 Newmont type receiver, the apparent chargeability,  $M_a$ , in milliseconds (millivolt seconds per volt) is read directly as the integral of the secondary voltage decay curve from 450 milliseconds to 1100 milliseconds after transmitter current cutoff and normalised with respect to primary voltage being transmitted.