

### 3.4 Dilatometer Test (DMT)

- The DMT is carried out by pushing a dilatometer blade into the soil, and then using gas pressure to inflating and deflating a 60 mm dia. thin steel membrane (mount on one side of blade) by using gas pressure.

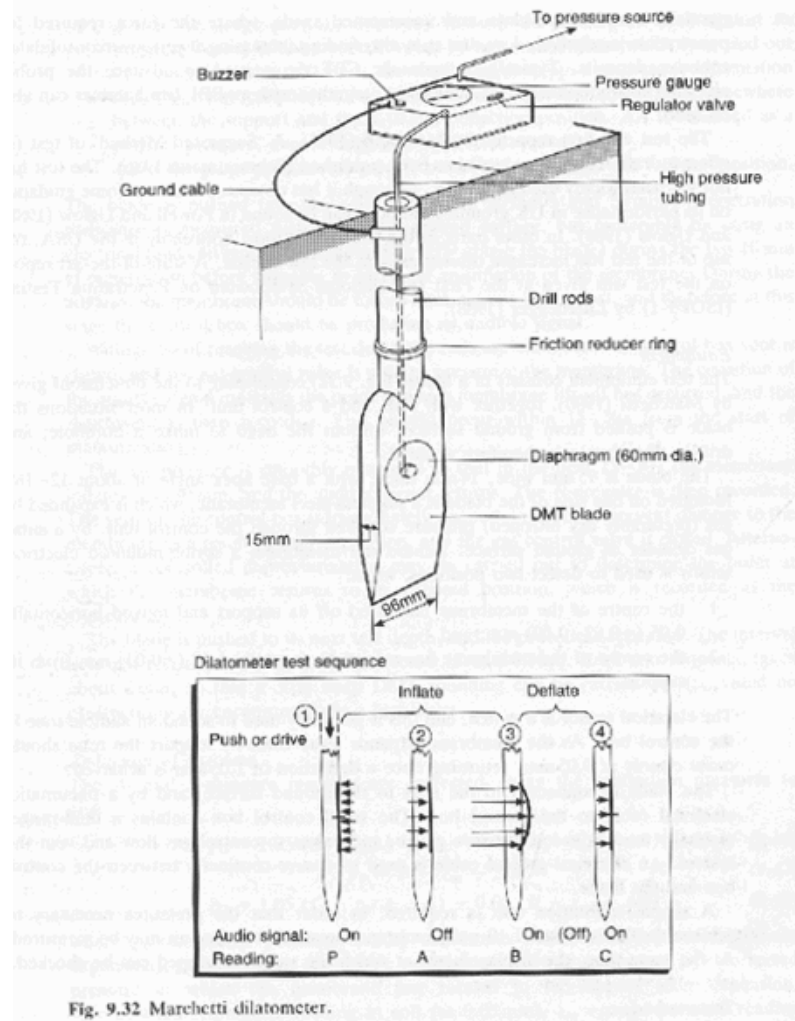


Fig. 9.32 Marchetti dilatometer.

- Record pressures at ② (A) of 0.05mm inflation, ③ (B) 1.10mm inflation ④ (C) 0.05mm deflation
- Usages  
: Soil classification, undrained strength,  $K_0$  value,  $c_h$ , ...