

FALLING WEIGHT DEFLECTOMETER



Year of purchase: 2013

Cost: 37.20 Lac

Falling Weight Deflectometer is for highway and airport pavement to put dynamic load of 75kN or 350kN on existing to calculate elastic moduli and condition of layers in more comfortable way. KGPBACK moduli software is used to determine the elastic moduli, stresses and strains of each modeled layer.

Salient Features:

- Non-Destructive Test.
- Easy to takeaway.
- All components are made compact and easily replaceable.
- Highly convenient to operate on airport.
- All the operations are automated.
- Automation in operation system using DC4000S (wireless dataLogging & control) system for performing desired sequence of operations for data collection.
- Testing can be completed very fast.
- Due to its high mobility the equipment can be taken to long distances.
- Capable of producing impulse load upto 350kN.
- Automatic raise/lower adjustable frame for housing seven geophones and control from driver's cabin.
- PC with necessary software for data acquisition (load and deflection data).
- UPS for continuous power supply.