

## OSC 483FO104 Portable Falling Weight Deflectometer



### <Feature>

- It falling weight deflectometer is a portable device to estimate the bearing capacity and compaction of the ground either with or without the binding material. The device may be used in road building, building of bridges, houses, quays etc.
- It enables to measure;
  - Maximum deformation
  - Elastic deflection
  - E-modulus
  - Loading impulse time
- The measurement results appear on the liquid crystal screen.  
If necessary the results may be read into the personal computer.
- It uses the falling weight energy for ground deformation. The parameters characterizing the ground bearing capacity and compaction are calculated from the acceleration sensor signals by the microprocessor. The loading plates of two different diameters are available to measure the ground of smaller or greater bearing capacity.
- The different functional parts of the device are incorporated into one united body.  
For transport the device is placed into a wooden trunk.

### <Specifications>

Model	OSC 483FO 104
Falling weight	10kg
Loading force	25kN
Loading plate diameters	140 and 200 mm
Deformation range	0.1 ~ 5mm
E-modulus range	1 ~ 1,200MPa
Operation voltage	9V (two batteries)
Temperature range	-10 to +40
Protection level	IP65
Weight without the trunk	16kg
Dimensions (H x D x W mm)	Approx. 1,180 x 100 x 100