

SOIL MEMBRANE DENZITOMETER

The soil densitometer serves for:

- Determination of the density of soil in the natural state ρ (kg / m^3),
- Determination of the dry soil density ρ_d (kg / m^3) of the construction or natural soil layers in-situ.

The instrument further demonstrates the degree of compaction of the assessed layer by comparing the bulk density determined by in-situ densitometer and the laboratory test by Proctor standard.



Record – soil density determination

Sample identification	Soil description
Date	
Laborer	

Piston surface: _____ date: _____

Point	Note.	measurement			moisture box		Soil sample [g]			
		L_1 [cm]	$L_{2.1}$ [cm]	$L_{2.2}$ [cm]	n.	$m_{(t\acute{a}ra)}$ [g]	m_{wet}	m_{dry1}	m_{dry2}	m_{dry2}

Notes: