

DIN EN ISO 17892-3:2016-07 (E)

Geotechnical investigation and testing - Laboratory testing of soil - Part 3: Determination of particle density (ISO 17892-3:2015, Corrected version 2015-12-15)

Contents		Page
European foreword		3
Foreword		4
Introduction		6
1	Scope	7
2	Normative references	7
3	Terms and definitions	7
4	Apparatus	7
4.1	Calibration requirements	7
4.2	General	8
4.3	Fluid displacement equipment	8
4.4	Gas displacement equipment	9
5	Test procedures	10
5.1	Fluid pycnometer method	10
5.1.1	General	10
5.1.2	Reference measurements	10
5.1.3	Specimen requirements	10
5.1.4	Test execution	11
5.2	Gas pycnometer method	12
5.2.1	General	12
5.2.2	Reference measurements	12
5.2.3	Specimen requirements	12
5.2.4	Test execution	12
6	Test results	13
6.1	Fluid pycnometer method	13
6.1.1	Dry mass of specimen	13
6.1.2	Density of solid particles	13
6.2	Gas pycnometer method	14
6.2.1	Dry mass of specimen	14
6.2.2	Volume of the specimen	14
6.2.3	Density of solid particles	15
7	Test report	15
Annex A (normative) Calibration, maintenance, and checks		16
Bibliography		18