

ISO/TS 17892-5:2004-10 (E)

Geotechnical investigation and testing - Laboratory testing of soil - Part 5: Incremental loading oedometer test

Contents		Page
Foreword		vi
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Symbols	2
5	Equipment	3
6	Test procedure	7
7	Test results	12
8	Test report	14
Annex A (informative) Additional calculations		16
Bibliography		25
Figures Figure 1 -- General arrangements of typical oedometer cells		4
Figure 2 -- Typical plot of void ratio against vertical effective stress		11
Figure A.1 -- Change of effective stress and vertical strain for incremental loading and unloading ...		18
Figure A.2 -- Change of effective stress and void ratio for incremental loading and unloading		18
Figure A.3 -- Laboratory consolidation curve: example of log time fitting method		20
Figure A.4 -- Laboratory consolidation curve: example of square root of time fitting method		21
Figure A.5 -- Temperature correction curve for coefficient of consolidation		22
Figure A.6 -- Derivation of coefficient of secondary compression C		23
Figure A.7 -- Determination of the apparent preconsolidation pressure 'p'		24
Tables Table 1 -- Suggested initial pressure		9