

DIN EN ISO 11276:2014-07 (E)

Soil quality - Determination of pore water pressure - Tensiometer method (ISO 11276:1995), German version EN ISO 11276:2014

| Contents | | Page |
|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-------------|
| Foreword | | 3 |
| 1 | Scope | 4 |
| 2 | Definitions | 4 |
| 3 | Principle | 5 |
| 4 | Apparatus | 5 |
| 4.1 | Tensiometer | 5 |
| 4.2 | Tensiometer construction | 6 |
| 5 | Procedure | 6 |
| 5.1 | Installation of tensiometers | 6 |
| 5.2 | Preparation of tensiometers for use | 8 |
| 5.3 | Reading tensiometers | 8 |
| 5.4 | Servicing and maintenance of tensiometer | 8 |
| 6 | Expression of results | 8 |
| 6.1 | Method of calculation | 8 |
| 6.2 | Precision | 9 |
| 7 | Test report | 9 |
| Annex A (normative) Construction and use of mercury manometers | | 11 |
| Annex B (informative) Tensiometer materials and construction | | 15 |
| Annex C (informative) Examples of pressure sensors other than mercury manometers | | 17 |
| Annex D (informative) Field installation of tensiometers | | 18 |
| Annex E (informative) Relation of pore water pressure and hydraulic pressure, and calculation from tensiometer measurements | | 21 |
| Annex F (informative) Bibliography | | 23 |