

DIN EN ISO 22282-4:2021-07 (E)

Geotechnical investigation and testing - Geohydraulic testing - Part 4: Pumping tests (ISO 22 282-4:2021)

Contents	Page
European foreword	3
Foreword	4
Introduction	5
1 Scope	6
2 Normative references	6
3 Terms, definitions and symbols	7
3.1 Terms and definitions	7
3.2 Symbols	7
4 Equipment	7
5 Test procedure	8
5.1 Test preparation	8
5.1.1 General	8
5.1.2 Determining the discharge rate for the pumping test	8
5.2 Arranging the disposal of discharge water	8
5.3 Executing and equipping the well	9
5.3.1 Design of the test well	9
5.3.2 Installation procedure	11
5.3.3 Preparation of the well	11
5.4 Executing and equipping the piezometers	11
5.4.1 Installation procedure	11
5.4.2 Preparation of piezometers	11
5.5 Execution of the test	12
5.5.1 General	12
5.5.2 Pre-pumping monitoring	12
5.5.3 Preliminary pumping phase	12
5.5.4 Pumping test	12
5.5.5 Post-pumping monitoring	13
5.6 Uncertainty of measurement	13
5.7 Interruptions in pumping	14
5.8 Decommissioning	14
6 Test results	14
7 Reports	14
7.1 Field report	14
7.1.1 General	14
7.1.2 Installation record	15
7.1.3 Record of measured values and test results	15
7.2 Test report	16
Annex A (informative) Record of measured values and test results of the pumping test — Example	17
Annex B (informative) Determining the pumping test discharge	20
Annex C (informative) Interpretation of the pumping test results	24
Bibliography	32