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**Instrument for soil test -- Permeameter
(English Translation)**

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Foreword

This standard is proposed and managed by the Ministry of Water Resources of the People's Republic of China.

This standard is mainly drafted by. Ministry of Water Resources Hydrological Instruments and Geotechnical Engineering Quality Supervision, Inspection and Testing Center, Nanjing Water Conservancy and Hydrology Institute of Chemistry, Ministry of Water Resources Water Information Center.

Participated in the drafting of this standard. National Industrial Products Production Permit Office hydrological equipment and geotechnical equipment review department.

1 Scope

This standard specifies the permeability of the terms and definitions, product classification and composition, technical requirements, test methods, inspection rules and signs, Instructions for use, packaging, transportation, storage requirements.

This standard applies to indoor determination of saturated clay and saturated sand soil permeability coefficient variable head permeator and constant head permeator.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. All dated references, which are subsequently owned Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to reach an agreement based on this standard research Whether you can use the latest versions of these files. For undated references, the latest version applies to this standard.

GB/T 191 Packaging - Pictorial signs GB 9969.1 Industrial Products Manual General GB/T 15406 Geotechnical instrumentation basic parameters and general technical conditions
GB/T 15464 General technical specifications for instrumentation package SL111-1995
Permeation plate verification method Geotechnical test equipment ring knife

3 Terms and definitions

GB/T 15406 established and the following terms and definitions apply to this standard.

Geotechnical test equipment for the determination of the permeability coefficient of saturated clay and saturated sandy soil indoors.

Instrument for measuring the permeability of cohesive soil.

Used to determine the sandy soil and a small amount of gravel non-cohesive soil under the water head permeability coefficient of the instrument.

4.1 Product Classification

Infiltrometer according to the different types of structure can be divided into variable head and permanent head infiltrometer.

4.2 Product composition

Variable head permeability tester is mainly composed of soil-like containers, water bottles, piezometric tubes and other components, soil containers from the cover, the lower cover, ring, ring knife, permeable Board and other components, shown in Figure 1.