



Key Features

- Easy manual operation
- Proven accurate measurement principle
- For multiple sample sizes, using the fast-exchange sample holder
- Sample sizes: Ø 53x50 h 51 mm; Ø 0x56 h 40.5 mm and Ø 103x100 h 30 mm
- Excellent price-quality ration
- Developed in cooperation with Christian-Albrecht's University, Kiel

Air permeability is the property of the soil pore system that allows air to flow through. The air permeameter apparatus measures this permeability, or conductance, of an (undisturbed) soil sample. Suitable for sample sizes Ø 53x50 h 51 mm, Ø 0x56 h 40.5 mm, and Ø 103x100 h 30 mm.

The apparatus was developed in cooperation with Christian Albrecht's University Kiel in Germany, a leading institution in soil compaction research. Read the interview with Prof. Horn of Kiel University for more information.

Applications

- Erosion, drainage, irrigation
- Geo-Hydrologic research
- Environmental research
- Basic material research

User Groups

- Research institutes
- Educational institutes
- Laboratories
- Universities

Specification

	Range	Accuracy	Remarks
Operating pressure max.	0.5 bar		external pressure regulator and dryer are required
Restricted air pressure scale	600 hPa	1.6%	
Sample pressure scale	15 hPa / cmH ₂ O	0.1 hPa / cmH ₂ O	scale zero mechanism
Temperature	0-60 °C	2%	restricted air temperature
Flowmeter 1 range	0.1- 0.6 l/min	1.25% FSD*	
Flowmeter 2 range	0.2- 2.0 l/min	1.25% FSD*	
Flowmeter 3 range	1.0- 10 l/min	1.25% FSD*	

