



**EASY TO USE  
COST EFFECTIVE  
FROST & THAW DEPTH MEASUREMENT**

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The frost probe is a simple instrument used to measure frost and thaw depth in the soil. It gives data that is comparable to the data collected with other more sophisticated and expensive methods. However, the reading of the Roctest frost probe is easier and less expensive.

The frost probe is made of two concentric pipes installed in the ground vertically. The pipe envelope is closed at the bottom end and has a removable top cap. The inside tubing, or frost pipe, is made of clear PVC filled with a water and blue methylene solution. This tubing is closed at both ends.

When frost penetrates the ground, a separation occurs between the water solution, which becomes colorless when frozen, and blue methylene. Because of its low density, blue methylene tends to remain in the unfrozen section of the tube, where the concentrated solution is. This phenomenon is reversible as well, which means that it is possible to follow the frost and thaw evolution over time.

### Key Features

- PVC pipe closed by a PVC bottom cap
- PVC clear inside tubing closed at both ends
- Removable top cap

### Applications

- Measure frost and thaw depth in the soil

### Specification

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Outer Pipe	PVC, O.D. 60 mm
Inner Tubing	Clear, O.D. 17.5 mm
Typical Length	1 to 3 m
Fluid Solution	Methylene Blue

### Ordering Information

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Please specify:

- Product code: FR-1149050100
- Please specify the length of each probe.