

## Sandbox set for pF determination



### **Sandbox set for pF determination**

when researching the quantity of water available in the soil for plants and trees.

### **To establish the moisture characteristics of soil from pF 0 to pF 4.2**

#### **Advantages**

- Full set comprises of 3 elements which will determine the pF curve from pF 0 to pF 4.2.
- Elements of the set available individually
- Uses undisturbed samples 53 or 60mm (disturbed samples - membrane set)
- Up to to 40 samples allows for comprehensive research and effective averaging
- Set can be used extensively over a number of years
- Easy set up with detailed user notes.

#### **Disadvantages**

- Set needs to be mounted on a level table, isolated from vibrations
- Depending on the set chosen additional equipment might be required like a balance, drying oven, soil sampling ring kit, soil sample rings and aluminium soil sample boxes.

#### **Specifications**

- Complete set for pF determination pF 0 - 4.2 contains: sandbox (pF 0 - pF 2.0); sand/kaolin box (pF 2.0 - pF 2.7); membrane apparatus (pF 3.0 - pF 4.2); soil sample ring kit; cases with soil sample rings and aluminium soil sample boxes.
- Set for pF determination pF 0 - pF 2.0 contains: sandbox; suction levelling stand; water supply bottle with stand; filter cloth (140 - 150 micron); containers of synthetic sand.
- Set for pF determination pF 2.0 - 2.7 contains: sand/kaolin box; electronic suction level control system with integrated control panel; pressure sensor; containers with synthetic sand, kaolin clay.
- Membrane set for pF determination pF 3 - pF 4.2 contains: pressure membrane, 20 bar compressor; air filter; cellophane membrane; filter cloth; sythetic soil sample retaining rings.