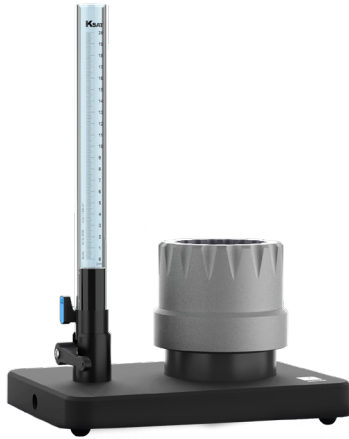




METER
ENVIRONMENT

SOIL/LAB/HYDROLOGY INSTRUMENTS



KSAT

The KSAT is the only easy-to-use automated setup for taking saturated hydraulic conductivity measurements in the lab. In its simplest form, it's an instrument that uses both the falling head (automated) and constant head (non-automated) methods on a soil core. Best of all, it's completely integrated and automated, so you're also assured of software-controlled engineering that's fully tested.

KEY FEATURES

- Accurate
- Completely automated -- removes human error
- Directly calculates Ksat
- Temperature corrections
- Completely integrated package
- Uses both constant and falling head methods
- Easy-to-use software
- Wide range of conductivities
- Complies with DIN 19683-9 and DIN 18130-1

SPECIFICATIONS

- Measurable KSAT values (min.): 0.01 cm/d (0.004 in/d)
- Measurable KSAT values (max.): 5000 cm/d (196 in/d)
- Hydraulic conductivity (K_s) of the porous plate: $K_s = 14000$ cm/d (5512 in/d)
- Typical statistical inaccuracy at constant environmental parameter and constant flow resistance of the soils: approx. 2% (in practice 10%)
- Pressure sensor accuracy: 1 Pa (0.01 cm WC or 0.0001 psi)
- Temperature sensor accuracy: 0.2 °C (0.4 °F)
- Sampling ring (also fits with HYPROP)
Volume: 250 ml (0.066 gal)
Height: 50 mm (2 in)
Inside diameter: 80 mm (3.15 in)
100 ml sampling rings possible w/separate adapter