

Deep Installation

for environmental monitoring

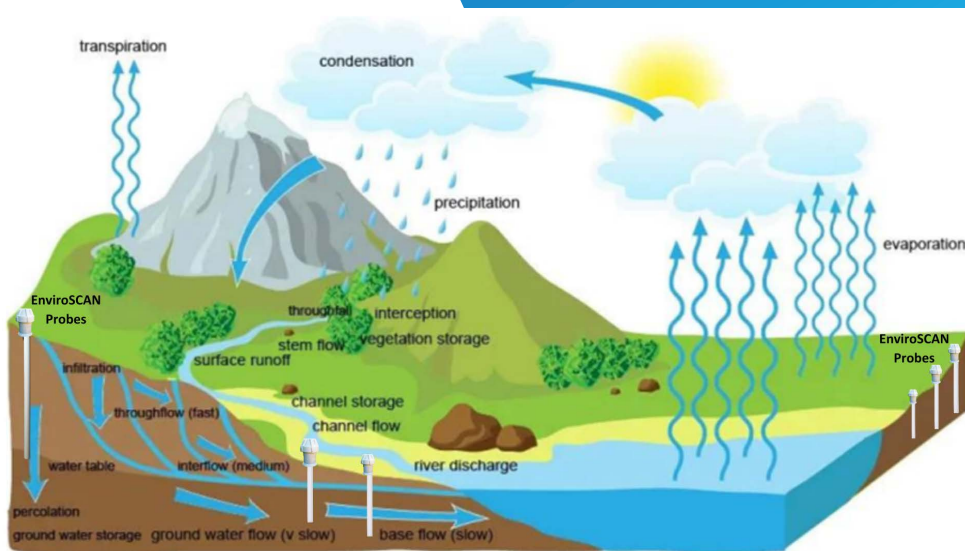
Measure soil moisture for mining, groundwater monitoring, natural vegetation assessments or forestry projects.

Flexible design allows installation at any depth up to 40 metres, with sensors able to be customised to any 10cm depth along the length of the probe. For installations greater than 4m, a schedule 18 tube and modified (orange) sensors are used.

Features

- Sensors provide accurate and precise measurements.
- TriSCAN® sensors provide information on total dissolved ions in the profile, perfect for tracking contaminants in soils.
- Completely serviceable and component based - maintenance is easy.
- Offers flexible sensor placement.
- Logging software, IrriMAX™, provides a continuous record of data and management decisions, perfect for record keeping regulations.
- Data uploads via telemetry to allow data access from remote monitoring sites.





Installation Process

- A hole is drilled to the depth of the probe using a drill rig. The PVC access tube is inserted using a crane and slurry is pumped into the hole to cement the tube in place (Picture 1).
- The tube is held in place until the slurry sets (Picture 2).
- The probe rod, with sensors installed at correct depths, is inserted into the tube (Picture 3).
- Probe rods are joined together with a metal plate and electronic jumper cables, ensuring a solid, reliable connection (Picture 4).
- The probe cable is wired up and weatherproofing applied (Picture 5).
- The probe is wired to a solar panel for power, and data logger for data storage and telemetry (Picture 6).

