

SOIL MOISTURE SENSORS - DATA COLLECTION OPTIONS

Data recording options	What sensor does it read	How does it record	Installation
GBReader Hand held reader connect to sensor to take a reading. Reading is displayed and stored in memory for later	GBH and GBL	Manual recording only. Manually connect to each gypsum block, GBReader displays result and stores in memory. Download data to your PC using software provided.	Not applicable
TPReader Hand held reader connect to sensor to take a reading. Reading is displayed and stored in memory for later review.	ThetaProbe and Profile Probe	Manual recording only. Manually connect to each sensor, TPReader displays result and stores in memory. Download data to your PC using software provided.	Not applicable
GBug Continuous and automatic recording of gypsum blocks connected to site specific data logger. Download with MEARetriever	GBH and GBL	Sensor outputs recorded on data logger memory. Data is collected by wireless connection using MEARetriever.	GBug is located directly above the sensors.
TPLogger Continuous and automatic recording of ThetaProbes connected to data logger for continuous automatic data recording.	ThetaProbe	Two models available; 1-8 sensors and 9-16 sensors. Sensors buried up to 100 metres from the data logger. Data recorded on data logger, can be collected by direct unload or by cell phone. Magpie software used to manage data.	Cables can be buried or laid on surface. Data logger is post mounted in weather proof enclosure. Battery and solar panel powered.
MEARadio Sensors linked by radio to a central data logger for continuous automatic data recording.	Will accept any combination of GBsensors, ThetaProbes and Profile Probes.	4 sensors connected to a radio field station and 38 field stations to a data logger. Radio transmission distance is nominally 1000 metres.	Battery powered field stations with spring loaded antenna for machine friendly installation.