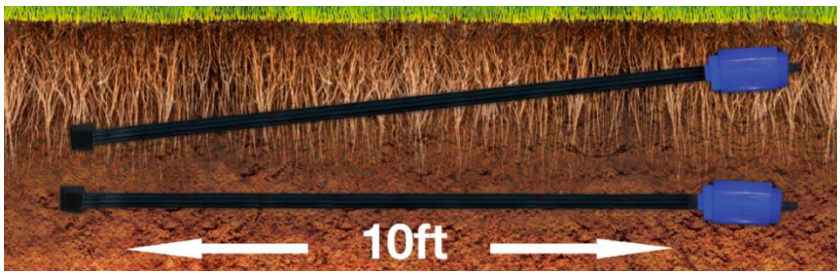
AQUAFLEX

Soil Moisture Sensors

GOLDTEC CONTROL SYSTEMS

AQUAFLEX uses an exceptional measurement technique with a 3m [10′] long flexible tape to provide measurement of 6 litres [370 cubic inches] of soil.



AQUAFLEX Saves:

- Water
- Energy
- Fertiliser

AQUAFLEX Improves:

- Yield
- Quality

The **AQUAFLEX** sensor can be configured for multiple modes of operation to provide both stand-alone logging functions and for connection to third party controllers, dataloggers or telemetry systems.

- **AQUAFLEX** sensors are buried into a trench in the 'active root zone'.
- Accurate readings from the sensors should be instant [if they are carefully installed with the soil restored to its original state]. Full settlement will occur within 3 to 6 months.
- Spatial averaging is important. **AQUAFLEX** works through averaging soil moisture, which provides a more accurate measurement as moisture within the soil is not uniform due to the inconsistency of irrigation, rainfall, crop root distribution, microclimate, and soil properties.
- **AQUAFLEX** provides continuous monitoring as soil moisture and temperature vary significantly over short period of time, through irrigation and rainfall.

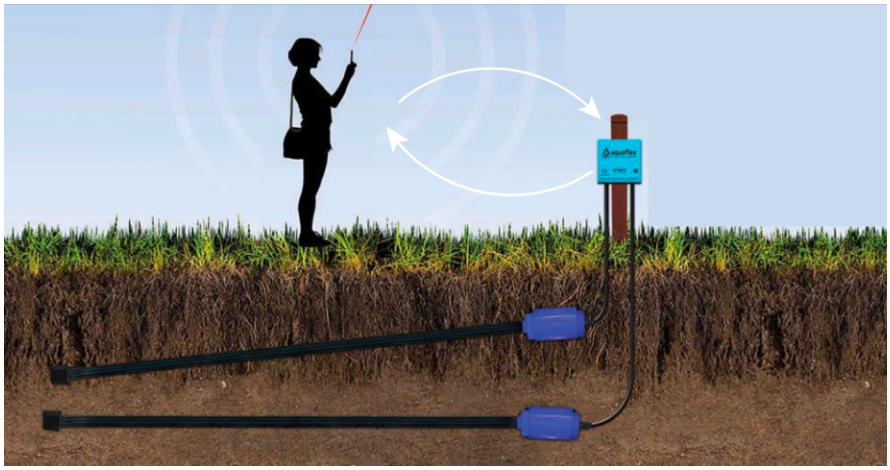
AQUAFLEX Configurations

AQUAFLEX allows direct Bluetooth capability for downloading data to smartphone or tablet. The software enables the information to be displayed in various way including features that can assist in the scheduling of irrigation.

AQUAFLEX Connectivity:

AQUAFLEX has multiple outputs to allow connection to a variety of third-party systems

- SDI-12- Soil Moisture & temperature
- 4 to 20mA – Soil Moisture
- 4 to 20mA – Soil Temperature
- Pulse – Soil Moisture
- Pulse – Soil Temperature
- RS232



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