



SOIL MOISTURE MONITORING



Acclima Digital TDT®



Aquaflex®



AquaCheck®

WHETHER YOU'RE GROWING PASTURE OR CROPS, UNDERSTANDING SOIL MOISTURE LEVELS IS CRITICAL FOR IRRIGATION DECISION-MAKING.

And that's where we come in with Loncel Soil Moisture Monitoring systems, delivering real-time and historical soil moisture data at your fingertips.

The standard system consists of a cellular base station (*powered by solar or mains power pack*) together with a Loncel battery-powered remote radio connected to each soil moisture sensor.

There is also the capability to pair two soil moisture sensors with one radio to provide high/low readings. With good line of sight each radio can be up to 2km away from the base station (*or 10km with repeaters*).

Data is transmitted back to the Loncel hosted customer web page.

These remote radios are also able to be integrated into existing Loncel monitoring systems using compatible equipment.

Three soil moisture sensors are available – the Acclima Digital TDT®, the Aquaflex® sensor and the AquaCheck® sub-surface probe.



SPECIFICATIONS	ACCLIMA DIGITAL TDT®	AQUAFLEX®	AQUACHECK®
Data reporting	Soil moisture (0-100% volumetric content) and temperature		
Calibration	Not required		
Measurement methodology	Localised	Spatial averaging ¹	Localised ²
Dimensions <i>(without cable)</i>	200mm x 53.3mm x 15mm	Electronic block: 135mm x 75mm x 30mm Sensor: 3m long tape, 3mm thick and 28mm high	200mm to 1600mm x 32mm
Power supply voltage	5 – 15 volts DC	6 – 26 volts DC	4 – 14 volts DC
Power source	Solar with battery back-up or mains power pack		

¹ The Aquaflex® sensors are buried in the active root zone and measure the average moisture over the 3m length of the sensor and the temperature at the body of the sensor.

² Up to 15 soil and soil temperature sensors depending on the probe configuration. Sensor spacing is every 100mm or 200mm model dependant.

Information for irrigation.
Work smarter, not harder.

SUPPLIED BY:



For more information about
Loncel Soil Moisture Monitoring

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