

Perfect moisture balance -
right across the field,
right around the Earth

AQUAFLEX



AQUAFLEX
soil moisture meter

Proven soil moisture measurement

With multiple repeat purchases of AQUAFLEX from vineyards to sports stadiums around the world, the unique AQUAFLEX System is now a proven leader in the field of soil moisture measurement technology.



Leeds United ground staff install AQUAFLEX at Elland Road Stadium. Norman and Craig say " We find it a very useful turf management tool and very easy to use. It was easily installed and created very little disturbance during installation."



An 8-sensor AQUAFLEX Datalogger installed in a USA vineyard. 'AQUAFLEX is a vital tool for effective irrigation management.'

The most accurate and repeatable analysis of soil moisture of any system available.

For every application:

- Golf courses
- Tennis courts
- Cricket grounds
- Football stadiums
- Horse racing tracks
- Botanical gardens
- Parks
- Horticulture
- Vineyards
- Orchards
- Arable crops
- Pasture
- Compost
- Biofilters
- Landfill
- Hydrological and meteorological monitoring



● **AQUAFLEX**
The Soil Moisture Sensor that Speaks VOLUMES!

- Measuring average moisture over a significant 3 metre (10 feet) length and in a cylindrical volume of 6 litres (370 cubic inches) of soil.
- AQUAFLEX is the only soil moisture sensor that overcomes the problems of measuring soil moisture content at one point only in a relatively small amount of soil.

● **AQUAFLEX**
Robust and dependable for every application

- AQUAFLEX sensors are manufactured to the highest quality standards with high quality components, providing built-in durability, dependability and reliability.
- This sets AQUAFLEX apart from other methods of moisture measurement.

● **AQUAFLEX**
The ultimate soil moisture measurement system for every irrigation manager.

- The choice is yours. If accurate measurement is what you want, AQUAFLEX has the answers -
- - Spot readings
- - Continuous loggings
- - Telemetry or automatic control
- AQUAFLEX does it all

● **AQUAFLEX**
The profitable solution

- Critical to better irrigation control techniques is the growing need for food producers to control growing costs while maintaining quality. Superior levels of irrigation management are central to achieving this.
- AQUAFLEX meets these needs.



AQUAFLEX Handheld Reader

OPTION 1



AQUAFLEX Logging Sensor

OPTION 2



Personal computer



AQUAFLEX Datalogger, 2 and 8 sensor options



Palm Top Organiser

AQUAFLEX Datalogger System

OPTION 3

Irrigation Controllers

Weather Stations

Data Loggers

Compatibility

OPTION 4

AQUAFLEX



A Q U A F L E X

● **AQUAFLEX**
For increased crop and turf quality

● AQUAFLEX provides the irrigation manager with far more reliable information than ever before about soil moisture content and temperature.

● AQUAFLEX is a vital tool in providing greatly increased crop and turf quality and yields.

● **AQUAFLEX**
Easy to install and operate

● The AQUAFLEX Sensors are easily installed in the ground at an appropriate depth for the application and measurement required.

● AQUAFLEX measures where it matters!

● **AQUAFLEX**
Easy connection to your existing systems

● The AQUAFLEX Moisture Sensor system can be connected to a wide range of irrigation controllers, weather stations, data loggers and industrial controllers providing both existing and future irrigation systems with reliable information for minimising water waste and maximising crop and turf yields.

● **AQUAFLEX**
Superior technology

● AQUAFLEX measures soil moisture using a technique known as Time Domain Transmission (TDT) which insures optimum accuracy and stability.

● AQUAFLEX's unique application of this technology also provides spatial averaging and compensation for soil temperature and soil conductivity.

C I S I O N A N D R O B U S T N E S S

AQUAFLEX brings award-winning results

AQUAFLEX Soil Moisture Measurement Systems are in use around the world in many horticultural applications, including the production of some of the world's finest wines. Correct moisture balance is critical to the success of the vintage.

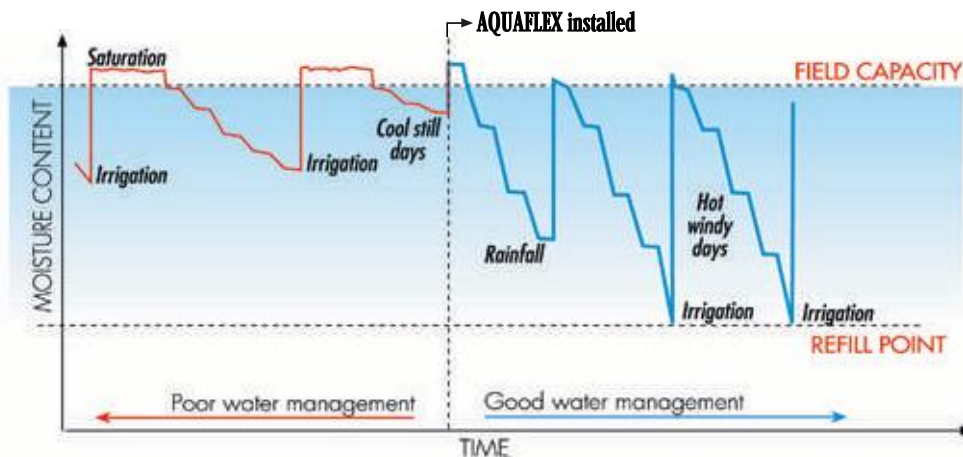
AQUAFLEX is contributing to the development of award winning results.



AQUAFLEX

For perfect moisture balance

- Accurate soil moisture measurement over a 3 metre long volume of soil
- The greatest accuracy of volumetric moisture content measurement
- Direct measurement of soil temperature (optional)
- Soil conductivity and soil temperature compensated for
- Extremely robust and reliable for every application
- Maintenance free
- Easy to install and operate



SPECIFICATIONS

Moisture Range: 0 to 60% volumetric moisture content

Measurement precision: +/- 0.5% VMC

Temperature measurement range: -10 to +50°C

Output format: 4 to 20mA, RS232, frequency and proprietary digital data

Power requirements: Powered by standard batteries or external power source

Conservation is good for business and for the world

Irrigation is responsible for over 80% of the total consumptive use of fresh water in the world. Consumers demand high quality food and the public and professional sports people demand high quality sports grass facilities. Water and good water management is essential to meet these demands, yet it is often a scarce resource.

Governments around the world are now committed to better irrigation practices and the international report 'Global Environment 2000', the most authoritative assessment ever of the environmental crisis facing humanity, warns that the water cycle is unlikely to be able to cope with future demands unless better use is made of water.

Streat Instruments

Streat Instruments are world leaders in moisture measurement technology. Part of the international Garnett Group, they specialise in the design and manufacture of process control instruments and systems, with over two decades of experience. Streat Instruments systems are in use around the globe and are distributed through an international network of accredited agents.



Streat Instruments Limited
4A Expo Place
PO Box 24071
Bromley, Christchurch
New Zealand

Ph: +64 3 384 8900
Fax: +64 3 384 8901
Email: mail@streatsahead.com
Web: www.streatsahead.com

European Office



envirofactors

Envirofactors
3 Water Lane
Bradford BD 1 2 JL
United Kingdom

Ph: +44 1274 733 145
Fax: +44 1274 732 410
Email: mail@envirofactors.com
Web: www.envirofactors.com



As a result of continual improvement,
product specifications may change
without notice.

US Patent 5148125

For further information please contact your
AQUAFLEX representative: