



The Soil Moisture Sensor that Speaks VOLUMES

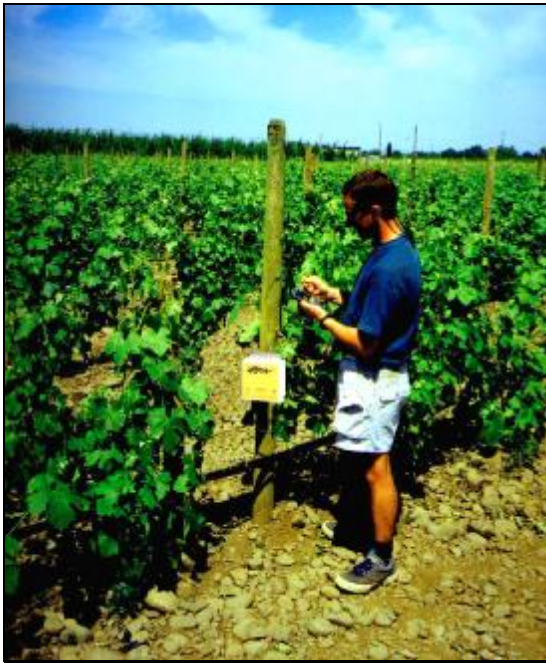
Aquaflex Logging Sensor

Part # SI.95

The AQUAFLEX Logging Sensor uses the unique AQUAFLEX measurement technique with a 3m (10') long flexible tape to provide measurement of a volume of 6 litres (370 cubic inches) of soil.

The AQUAFLEX Logging Sensor combines the functions of a precision soil moisture sensor and datalogger into one unit.

The Sensor is installed at the required depth and is connected to a battery box that needs to be accessible (e.g. mounted on a post or located in a valve box).



The AQUAFLEX Logging Sensor Collects and Stores Soil Moisture and Soil Temperature data that may be downloaded at any time using a laptop PC or a Palm™ Handheld computer.

This data may then be stored and displayed graphically on a PC.

The AQUAFLEX PC software enables the information to be displayed in various ways, and includes features to assist in irrigation scheduling.

AQUAFLEX

- S Extremely robust and reliable for every application
- S Easy to install and operate
- S Maintenance free

AQUAFLEX

Highly recommended for effective water management.

Available for every application:

- S Golf courses
- S Tennis courts
- S Cricket grounds
- S Football stadiums
- S Vineyards
- S Orchards
- S Arable crops
- S Biofilters
- S Compost
- S Landfill
- S Botanical gardens
- S Parks & Reserves
- S Hydrological monitoring
- S Meteorological monitoring



Specifications

Batteries	8 x AA-size Alkaline cells (type E91 or equivalent)
Battery life	6 months minimum under normal conditions.
Measurement interval	Selectable from 10 minutes to 6 hours
Memory capacity	1300 measurements (e.g. two months of logging at hourly intervals)
Operating Temperature	-10 to 40°C (14 to 104°F)
Soil Moisture Measurement	
Range	0 to 60% volumetric moisture content
Precision / Repeatability	± 0.5% volumetric moisture content
Accuracy	± 2% volumetric moisture content
Soil Temperature Measurement	The temperature is measured at the body of the sensor, not along the moisture-sensing cable.
Range	-10 to 50°C (14 to 122°F)
Accuracy	± 0.5°C (0.9°F)
Voltage Supply Required	+8 to +24V DC.
Current Consumption	0.2mA normal. 200mA peak for 60 milliseconds while a reading is being taken. 35mA when connected to a PC or Palm handheld.

Options

The following options are available:

- S** A dual AQUAFLEX Logging Sensor, where a second Sensor tape is connected to the Battery Box
- S** Cellular Telemetry to allow remote communication over the GSM Cellular network

* Palm™ is a trademark of Palm, Inc.



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

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



Envirofactors Limited
3 Water Lane
Bradford BD1 2JL
United Kingdom

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



Streat Moisture Solutions
(USA), LLC
PMB 304
516-D River Highway
 Mooresville, NC 28117-6830
USA

Ph: +1 704 718 7945
streatusa@streatsahead.com
www.streatsahead.com