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A focus on the SM150T Soil Sensor

The SM150T is amongst the best value research-grade soil moisture sensors available, and has been proven effective and reliable by many scientists and growers across a variety of applications.

The SM150T is an analogue sensor (differentiating it from our WET150 SDI-12 digital soil sensor) and it measures two parameters: soil moisture and temperature. Therefore it is an ideal solution for non-SDI-12 network applications that do not require soil electrical conductivity readings.

The SM150T's accurate and stable measurement (± 3% for 0-70% VWC range), simple 0-1 V output (moisture), and low power (18 mA for 1 second) makes it an ideal sensor for system integrators.

The SM150T also comes in portable kit form (measuring soil moisture only) alongside a dedicated instant readout meter and tough carry case. This kit provides an affordable and easy-to-use tool for obtaining reliable spot moisture measurements with minimal soil or substrate disturbance.

The SM150T Sensor comes complete with a 5 year warranty.

> *"Just to let you know that I've been delighted with the performance of the SM150T soil moisture sensors and accompanying GP2 data logger. They have been in action at an escarpment site in Iceland over a 2 year period - and have provided some extremely useful data.*
>
> Nick Cutler, Lecturer in Physical Geography,
> University of Newcastle, UK

SM150T Case Studies

Click on images below to read more.

Rothamsted Research

SM150T used in long-term "Park Grass Experiment"

NIAB EMR

SM150T used to help achieve record yields at the WET Centre research facility

Cranfield University

SM150T used to improve banana irrigation management in Colombia

Newcastle University

SM150T used in research aimed at better understanding soil erosion in Iceland

SM150T Videos

Click on images below to view video.

Installing the SM150T

Dr John Newstead guides viewers through the SM150T installation process in this brief video

How NIAB EMR uses the SM150T

NIAB EMR's Dr Mark Else explains how the SM150 benefits their leading crop research

SM150T literature

Click on images below to read more.

SM150T Datasheet

A brief guide to the SM150T for system integrators - including specifications

Soil Moisture Catalogue

A comprehensive guide to our soil moisture measurement range.

SM150T web pages

Click on images below to visit pages.

SM150T Sensor page

SM150 Kit page

The Delta-T devices kit has been first class – it has not missed a beat since we installed the equipment. We now plan to leave the SM150T sensors in-situ after the project to continue developing our understanding of the soil-water fluxes under banana crops.

Prof Jerry Knox, Cranfield Water Science Institute,
Cranfield University, UK

HAVE A QUESTION? - CLICK HERE TO MAIL OUR TECHNICAL SALES TEAM

REQUEST A QUOTE

Delta-T Devices

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