

Soil Moisture Sensor Market - Forecasts from 2018 to 2023

<https://marketpublishers.com/r/S5001C315C7EN.html>

Date: January 2018

Pages: 96

Price: US\$ 3,800.00 (Single User License)

ID: S5001C315C7EN

Abstracts

The soil moisture sensor market is projected to witness a CAGR of 14.63% during the forecast period to grow to US\$385.41 million by 2023, increasing from US\$169.91 million in 2017. Measurement of soil moisture has become imperative particularly in the agricultural sector. Various research institutes and organizations such as the US Department of Agriculture (USDA) and Agriculture Research Service (ARS) are examining how soil interacts with the environment due to concern over soil health sustainability. Environmental regulations to protect soil, research activities and application of soil moisture sensor for various applications such as agriculture, sports turf, landscaping among others are some of the key factors contributing to the market growth. Furthermore, availability of advanced soil measurement systems at affordable prices due to high economies of scale is further expected to spur the market growth. The lack of awareness among the farmers and the use of traditional methods is the major restraint in the growth of the soil moisture sensor market.

By Type

By type, the soil moisture sensor market can be segmented as volumetric sensors and soil water potential sensors. The volumetric sensors such as probes, Time Domain Transmissometry (TDT), and capacitance helps to determine the actual volume of water in the soil. Soil water potential sensors, on the other hand, determine whether plants will grow well or be stressed in any environment by giving a measure of the energy state of water. Tensiometer, gypsum block and granular matrix constitute soil water potential sensors. Monitoring soil health in a quantifiable and substantial manner has led to an increased adoption of the soil sensors.

By Application

On the basis of application, the Soil Moisture Sensor market can be segmented as Agriculture, Construction, Sports, Research, Weather Forecasting and others such as residential and forestry.

The growing concern about the role of soil health in climate has increased the demand for soil sensors. The modernization of agriculture and the environmental factors like climate change, dwindling water resources, and the threatened habitats are the major factors driving the demand for these sensors. The agriculture sector involves a significant application of soil moisture sensors owing to mounting concerns over higher crop yields and water consumption. Additionally, there has been a rise in the use of soil moisture sensors in sports turfs to help optimize irrigation with the increased number of golf courses and sports field globally.

By Geography

By geography, the soil moisture sensor market is segmented as America, Europe Middle East and Africa, and the Asia Pacific regions. Americas accounted for the major market share in 2017 owing to the large-scale adoption of agricultural technologies in the region. Better organization of water resources, enhancement in agricultural productivity, increased utilization of automatic and remote control machines in advanced economies like the U.S. will further fuel the market growth. Asia Pacific (APAC) is expected to be the fastest growing region during the projected period. The heavy dependence on the agricultural sector in the region along with the availability of low priced products from China are some of the factors complementing the expanding application of the soil moisture sensors in the region.

Competitive Landscape

The soil moisture sensor market is competitive owing to the presence of well-diversified international, regional and local players. The competitive landscape details strategies, products, and investments being done by key players in different technologies and companies to boost their market presence. Some of the major players discussed in the report are Delta-T Devices, The Toro Company, and AquaCheck among others.

Segmentation

The soil moisture sensor market has been segmented by type, by application, and by geography.

By Type

Water Potential Sensor

Volumetric Moisture Sensor

By Application

Agriculture

Construction

Sports

Research

Weather Forecasting

Others

By Geography

Americas

North America

US

Canada

Mexico

Others

South America

Brazil

Argentina

Others

Europe Middle East and Africa

Europe

United Kingdom

Germany

France

Others

The Middle East and Africa

Asia Pacific

Japan

China

India

Others

Contents

1. INTRODUCTION

- 1.1. Market Definition
- 1.2. Scope of the Study
- 1.3. Currency
- 1.4. Assumptions
- 1.5. Base, and Forecast Years Timeline

2. RESEARCH METHODOLOGY

- 2.1. Research Design
- 2.2. Secondary Sources
- 2.3. Validation

3. KEY FINDINGS OF THE STUDY

4. MARKET DYNAMICS

- 4.1. Drivers
- 4.2. Restraints
- 4.3. Opportunities and Market Trends
- 4.4. Market Segmentation
- 4.5. Porter's Five Forces Analysis
 - 4.5.1. Bargaining Power of Suppliers
 - 4.5.2. Bargaining Power of Buyers
 - 4.5.3. Threat of New Entrants
 - 4.5.4. Threat of Substitutes
 - 4.5.5. Competitive Rivalry in the Industry
- 4.6. Industry Value Chain Analysis
- 4.7. Industry Regulations

5. SOIL MOISTURE SENSOR MARKET FORECAST BY TYPE (US\$ MILLION)

- 5.1. Introduction
- 5.2. Water Potential Sensor
- 5.3. Volumetric Moisture Sensor

6. SOIL MOISTURE SENSOR MARKET FORECAST BY APPLICATION (US\$ MILLION)

- 6.1. Introduction
- 6.2. Agriculture
- 6.3. Construction
- 6.4. Sports
- 6.5. Research
- 6.6. Weather Forecasting
- 6.7. Others

7. SOIL MOISTURE SENSOR MARKET FORECAST BY GEOGRAPHY (US\$ MILLION)

- 7.1. Americas
 - 7.1.1. North America
 - 7.1.1.1. United States
 - 7.1.1.2. Canada
 - 7.1.1.3. Mexico
 - 7.1.1.4. Others
 - 7.1.2. South America
 - 7.1.2.1. Brazil
 - 7.1.2.2. Argentina
 - 7.1.2.3. Others
- 7.2. Europe Middle East and Africa
 - 7.2.1. Europe
 - 7.2.1.1. United Kingdom
 - 7.2.1.2. Germany
 - 7.2.1.3. France
 - 7.2.1.4. Others
 - 7.2.2. Middle East and Africa
- 7.3. Asia Pacific
 - 7.3.1. India
 - 7.3.2. China
 - 7.3.3. Japan
 - 7.3.4. Others

8. COMPETITIVE INTELLIGENCE

- 8.1. Market Share Analysis
- 8.2. Strategies of Key Players
- 8.3. Recent Investments And Deals

9. COMPANY PROFILES

- 9.1. METER Group, Inc. USA
 - 9.1.1. Overview
 - 9.1.2. Financials
 - 9.1.3. Product and Services
 - 9.1.4. Key Developments
- 9.2. Delta-T Devices
 - 9.2.1. Overview
 - 9.2.2. Financials
 - 9.2.3. Products and Services
 - 9.2.4. Key Developments
- 9.3. The Toro Company
 - 9.3.1. Overview
 - 9.3.2. Financials
 - 9.3.3. Products and Services
 - 9.3.4. Key Developments
- 9.4. AquaCheck
 - 9.4.1. Overview
 - 9.4.2. Financials
 - 9.4.3. Products and Services
 - 9.4.4. Key Developments
- 9.5. Sentek Technologies
 - 9.5.1. Overview
 - 9.5.2. Financials
 - 9.5.3. Products and Services
 - 9.5.4. Key Developments
- 9.6. IRROMETER Company, Inc.
 - 9.6.1. Overview
 - 9.6.2. Financials
 - 9.6.3. Products and Services
 - 9.6.4. Key Developments
- 9.7. Acclima
 - 9.7.1. Overview
 - 9.7.2. Financials

9.7.3. Products and Services

9.7.4. Key Developments

9.8. Stevens Water Monitoring Systems, Inc.

9.8.1. Overview

9.8.2. Financials

9.8.3. Products and Services

9.8.4. Key Developments

9.9. Lukoil

9.9.1. Overview

9.9.2. Financials

9.9.3. Products and Services

9.9.4. Key Developments

9.10. ARAMCO SERVICES COMPANY

9.10.1. Overview

9.10.2. Financials

9.10.3. Product and Services

9.10.4. Key Developments

I would like to order

Product name: Soil Moisture Sensor Market - Forecasts from 2018 to 2023

Product link: <https://marketpublishers.com/r/S5001C315C7EN.html>

Price: US\$ 3,800.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/S5001C315C7EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970