



METOS[®]
BY PESSL INSTRUMENTS



METOS[®] TSM

KNOW YOUR FIELD

SUSTAINABLE SOIL MANAGEMENT

On-the-Go Measurement and Analysis of Soil Structures



WORK
AUTOMATION



INCREASING
WORK EFFICIENCY



SAVING TIME
& MONEY



SAVING
RESOURCES



OPTIMIZING
IRRIGATION



UNDERSTANDING
SOIL MOISTURE

Benefits of using METOS TSM

- Moisture measurement on-the-go
- Non-contact soil analysis
- Optimizing irrigation management
- Quantifying physical soil properties
- Creation of soil zone maps
- Rapid data collection
- High spatial resolution
- Sustainable soil and irrigation management

The System

METOS TSM is a versatile and valuable tool for mapping soil moisture in fields and large outdoor areas due to its non-invasiveness, rapid data collection, high spatial resolution, depth profiling capabilities, adaptability to various soil types, and ability to provide precise quantitative data.

It empowers farmers and land managers to make informed irrigation decisions, conserve resources, maintain soil health, and optimize crop growth, ultimately contributing to sustainable and efficient practices.



Soil and Irrigation Management Faces Many Challenges Every Day

The Technology

Soil apparent conductivity as measured by METOS TSM quantifies the distribution and variability of soil salinity, leaching, clay, and organic matter content. METOS TSM provides valuable insights into physical soil properties while reducing the time and cost associated with traditional, destructive soil testing methods.

METOS TSM Data Analysis

All the data from METOS TSM are processed automatically and can be accessed while you are still on the field. This way, you can make a decision how to proceed next right on the spot. For further processing, you can export your data into any common spatial management software.



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