

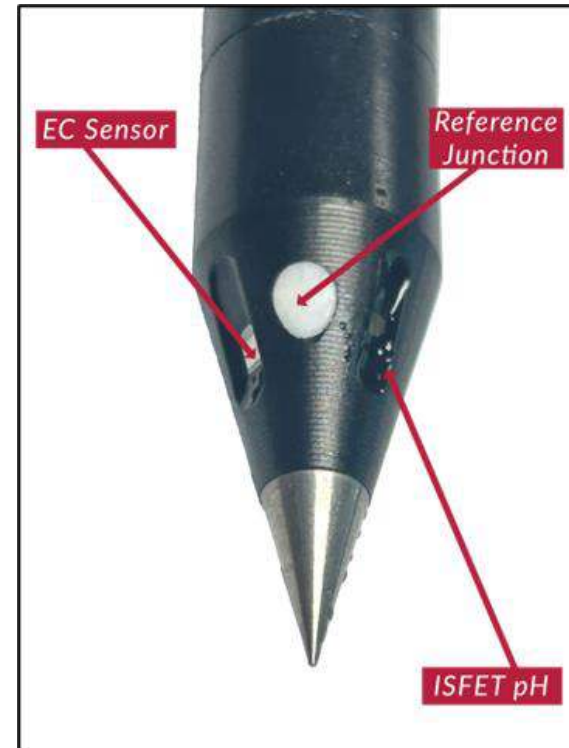
FieldScout Direct Soil pH & EC Meter

Spectrum Technologies, Inc.

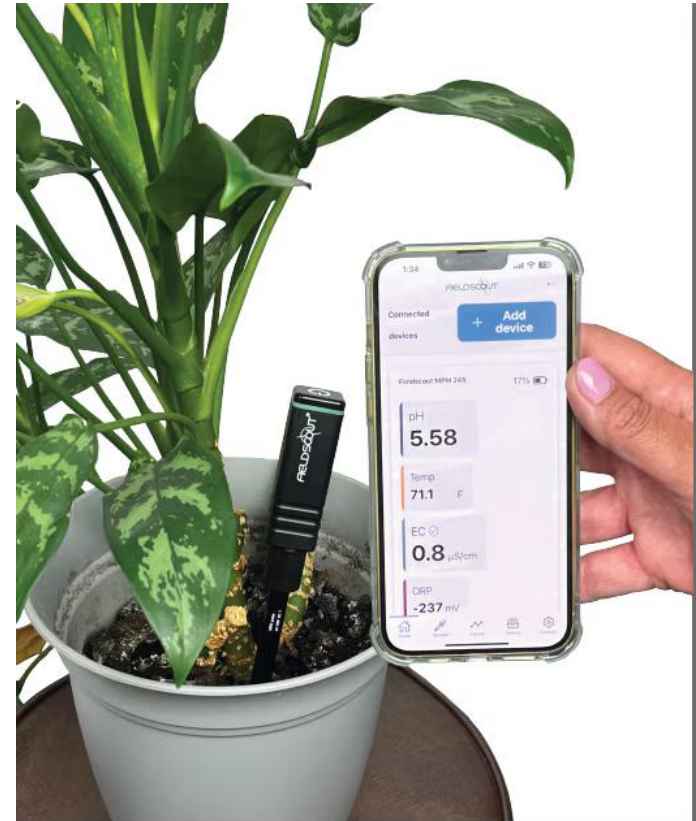
Mike Thurow

ISFET Technology

- **ISFET – Ion Selective Field Effect Transistor**
- Non-Glass pH Sensor
- More Durable
- More applications
- pH only or Both pH & EC



- **Greenhouse Soilless Media**
- Direct soil measurements in the field for pH or both pH and EC
- Irrigate/Water the plants if making an EC measurement – more accurate
- Bluetooth to your phone



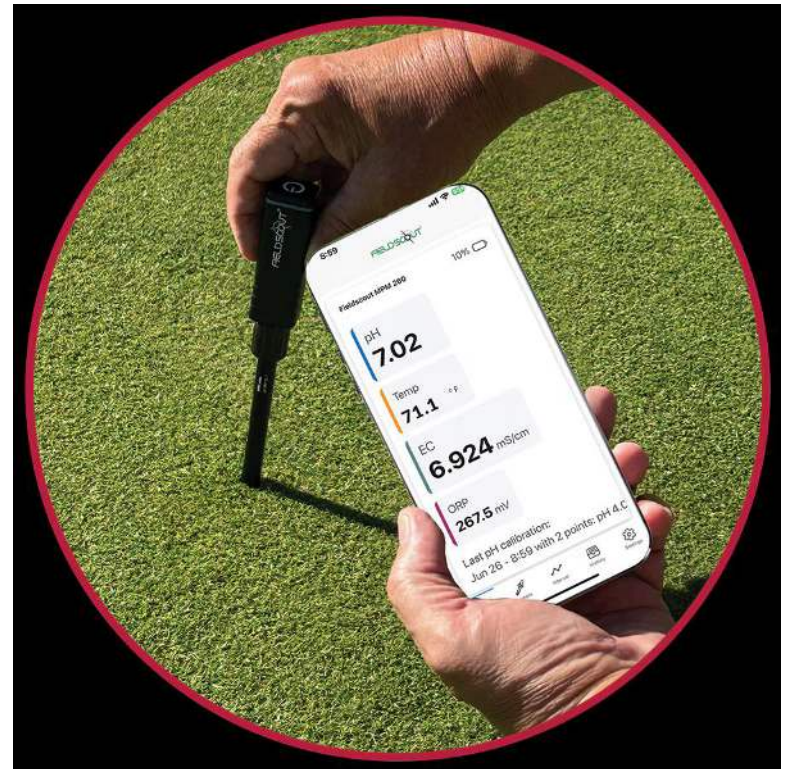
■ Field Measurement:

- Make a "pilot" hole first
- Add distilled water to the hole
- Wait 30-seconds
- Take measurements at various depths





- ***Turfgrass Measurement***
- Direct soil pH or both pH & EC
- Irrigate/Water first
- Make a "pilot" hole
- Bluetooth to your phone



- View history and export to see all data
- Measurements are geo-referenced and stored

Device name	Sample name	Timestamp	pH	EC (μS/cm)	Temperature (°F)	Latitude	Longitude
Fieldscout MPM 118	20240717_1423_29	17-07-2024 14:23:29	7.1	6.57	72.3	41.739642	-88.227752
Fieldscout MPM 118	20240717_1423_29	17-07-2024 14:27:09	7.5	6.89	72.3	41.739642	-88.227742
Fieldscout MPM 118	20240717_1423_29	17-07-2024 14:27:10	7.2	6.63	72.3	41.739642	-88.227742

Thank You!

Booth # 314

Technology to Help You Grow