TheProfiler

Features -

1. Reads the Watermark sensor
2. GPS location
3. Cell modem technology
4. Apps for smart phones and tablets
5. Google earth map with location of the probe
6. All mounting brackets included
7. Battery powered(rechargeable)
8. Solar charged
9. Enclosure - Hinged Lid
    a. Easy access for install/extraction and viewing LCD Screen
    b. Ability to add lock for security
    · c. Polypropylene construction with NEMA 4X rating for superior outdoor protection
        NEMA 4X Rating Description - to provide a high degree of protection against falling dirt, rain, sleet, snow, windblown dust, splashing water, and hose-directed water; and that will be undamaged by the external formation of ice on the enclosure. Protection against corrosion
    d. Includes a built in pocket for owner's manuals and important notes
10. Circuit Board Capabilities
    a. Exchangeable modem card
    b. Read up to 4 Watermark Sensors (both 2 and 3 wire sensor type)
    c. Read SDI 12 probe
    d. Tipping rain bucket
    e. Temperature
    f. Remote firmware updates

Benefits –

1. Access soil moisture data 24/7
2. Data is web based
3. Data updates every 30 minutes
4. Estimate soil moisture depletion
5. Help determine water penetration in the soil from irrigation and rainfall events
6. Estimate plant available water
7. Determine at what depth the crop is removing soil moisture
8. Monitor soil moisture during fallow periods
9. Monitor rain events with rain bucket
10. Easy in installation and extraction
11. Save pickup/4 wheeler fuel
12. Save time
13. Smart phone apps
14. Text alerts

Stepspro.com Website

Features –

1. View soil moisture data
2. Data updated every 30 minutes
3. Chart data for 3 plus months
4. Overview page – centibar readings, est. field capacity, est. plant available water, est. soil moisture depletion, soil texture information, last reading and rainfall total since 12am of the current day, composite map of all probe locations, color coded avg percent field capacity.
5. Graph page - data is graphed by day and time of day
    a. Soil moisture by sensor depth – click on and off the sensor depth, temperature, current rain and daily rain
    b. Soil temperature
    c. Moisture events
    d. Cell Signal
    e. Battery voltage
6. Assign soil texture by sensor depth
7. Assign a crop to the probe
8. TheProfiler notes on the graph timeline
    a. Incident note
        i. General note
        ii. Irrigation note
        iii. Rain note
    b. General note
9. Set water set points on the graph
10. Set start date for the graph to begin
11. Text alerts
12. Print season end report – graph, notes, TheProfiler information and map of the location of TheProfiler
13. Down load soil moisture and rain fall data as a csv file
14. Records a time stamp of the last reported data

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Installation Tips

1. Choose an area of your field indicative of the majority (use soil test results)
2. Install the T-post so that the solar panel is facing south
3. On north/south planted rows, install the T-post between two rows on the south side of all the sensors
4. On east/west planted rows, install the T-post in the same row as the sensors.
5. Visit stepspro.com for full installation and removal training