

ASR

Wireless Soil Moisture Monitoring

The ASR is a revolutionary low cost soil moisture monitoring solution. With no power supply or data cables required you can install the device anywhere in mobile phone coverage that you want to measure the soil moisture. You can view and report on the 15 minute data from your website. The internal batteries will last for five years*. Installation is very simple with no solar panel required.

- ★ Crop and pasture irrigation monitoring
- ★ Effluent disposal monitoring



Step 1 Install anywhere your mobile phone works

Step 2 Swipe magnet to activate

Step 3 You're done! View data from your website



Beautifully Simple

Your Mother can install and operate this solution



Graphs & Reports

Simple website data analysis and system management



IP68 Waterproof

Completely waterproof device. Save money on extra enclosures.



5+ Year Battery Life

The internal lithium batteries will last for 5 years!



Global Coverage

Install the device anywhere with GSM mobile phone coverage



Email & SMS Alarms

Alarms sent instantly via email or text message



100% Brandable

Make the solution your own with custom logos and web skins



API Data Interface

Interface with your own system using REST or FTP API's



Group Management

Manage large numbers of devices with group management and maps

Where do I get a SIM card from?

You don't. The device is shipped with a SIM card already installed for your country. Your usage charges are managed through the web interface.

Is there a charge for the SIM and web platform?

Yes. You pay one low cost monthly or yearly invoice that covers both the SIM costs and the web platform for all your connected Outposts. There is a fixed fee for each country and these charges can be pre or post paid by credit card or direct payment.

Can I stop my monthly charges at any time?

Yes. Unless you are in a contract you can deactivate the device from the web platform and halt your monthly charges. You can activate the device again later.

Can I have more than one sensor per Outpost?

Not with this product. We have done our best to make this product beautifully simple. If you need more than one sensor then why not try one of our multipurpose loggers or use two Outpost WASPs.

Can my company integrate this solution and market it as part of our own service offering?

Yes. The website is 100% brandable and you can even reprogram your web display template yourself using javascript. Alternatively use the API to interface with your existing solution.

How long will the internal batteries last?

The batteries will last for 5 years in good signal. In low or patchy signal the batteries may be used up more quickly - but you can track it from the website. Alarms are not currently supported on WASP soil moisture. If you expect to get several alarms a day or want your data updated more than once per day then this isn't the product for your application. Have a look at the Outpost EVO advanced wireless logger.

What are the specs of the soil moisture probe?

The only soil moisture probe currently supported in the Outpost WASP series is the Decagon 5TM. Other soil moisture probes types are supported on the Outpost EVO advanced wireless logger.

When does the daily upload of data occur?

You can choose the hour of the day that the previous 24 hours worth of data is sent to the website. It will happen at some point in this hour.

Is the device plug and play?

We think the term plug and play is an industry cliché. The Outpost-WASP doesn't even have a plug but we're confident you'll find it the easiest to operate monitoring device on the market.

Technical Specifications

Soil Moisture Inputs

▪ Channels	1 or 2 Decagon 5TM
▪ Resolution	0.1
▪ Accuracy	+/-1

Temperature Inputs

▪ Channels	1 or 2 Decagon 5TM
▪ Resolution	0.1 DegC
▪ Accuracy	+/-1 DegC

Datalogger

▪ Flash Memory	300K
▪ Channel Sampling Rate	15 min per channel

Power

▪ Power Input	Internal, no recharge
▪ Active Mode Current (GPRS ON)	na
▪ Idle Mode Current (GPRS OFF)	na
▪ Power-down Sleep Current	na

GPRS

▪ Frequency	900/1800/850/1900Mhz
▪ Antenna	Internal

Physical

▪ Size	110mm x55mm x40mm
▪ Weight	150g (5.25 oz)
▪ Operating Temperature	-5 C to 60 C