



Leak Detection Unit

Suitable for all SA water Meters

LEAK DETECTION UNITS

- Monitor & record flow from SA water meters & domestic bores
- Rapid detection of major leaks
- Identify minor system leaks
- Daily water usage alerts via SMS & email
- View graphs online 24/7
- Simple to fit on existing water meters
- System has capacity to add soil moisture probes & rain / temperature gauges
- Next G, GPRS or satellite data transfer
- Capacity to read from 2 meters

FEATURES

- Flexible reporting to suit user
- SMS reporting of :
 - Total daily water use
 - Min flow per hour / 24 hrs
- Online water use graphs—hourly, daily, weekly
- Low maintenance
- Low annual costs/fully serviced
- Made in Australia



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Early leak detection saving farmers money and water

The majority of livestock producers west of Keith and in the Tintinara and Meningie regions of South Australia rely on mains (Murray) water for their stock and domestic needs.

The increasing price of mains water has placed a substantial burden on farm budgets.

The infrequent reading of SA water meters by farmers results in only major leaks being detected and often some time after the leak first occurred. Many poly pipe water lines are old and prone to bursting. Mains water pressure can fluctuate with periods of high pressure causing increased incidence of leakage.

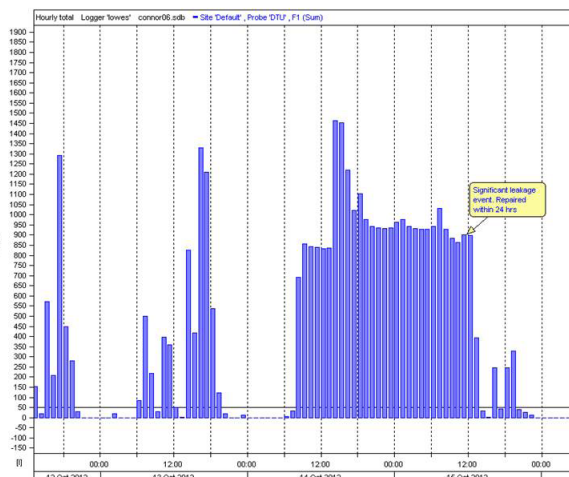
Livestock producers have reported \$50,000 annual water bills, with the majority being due to leakage.

The Alpha Group Leak Detection Unit allows regular monitoring of water usage which permits rapid leak detection. High water usage overnight typically indicates a leak in the system. The system texts total water use and minimum hourly flow for each 24 hour period every morning allowing the 'heads up' on unexpected water consumption. Having this information at their fingertips enables users to act quickly, minimise water losses, and avoid large, unwanted water bills.

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Early detection ensures Christmas savings

Bruce Connor installed his Alpha Group Leak Detection Unit on a property 35 km from his home farm in November 2011. He identified almost immediately that there was a 60 litre per hour leak that he was previously unaware of. He was able to identify and fix several leaks until his overnight usage dropped back to zero. The system also allowed him to detect 3 major leakage events over the Christmas/New Year period, within 12-24 hours of their occurrence. A significant saving when water costs from the 3 leaks averaged \$63 per day, compared to usual water costs of \$21 per day.



"The Alpha Group Leak Detection Unit has given me a better understanding of my cattle's water consumption and has allowed me to place a quantity on those small water leaks we always have. Since we have had the system we have had three full pipes that have blown out but only leaked for 12 hours instead of 3-4 days, and in some cases weeks, because they were left unnoticed. I have been looking for a system like this for some time and it covers all my requirements. I would recommend this system for water monitoring."
Bruce Connor

Significant savings after only 3 months

Julian and Adam Desmazes run a diverse, 1400 ha property, with 2000 ewes, 800 wethers in a feed lot, 300 hectares of dryland lucerne, more than 100 hectares of pasture establishment and 40 cows. All water, including domestic use for the homestead, is supplied by mains water, all on one SA water meter. Given the nature of farming operations, water usage is very variable. Their summer usage in a 3 month period is approximately 400 kilolitres, costing around \$1300. The Desmazes decided to install an Alpha Group Leak Detection Unit in November 2011 and saw immediate benefits. They were able to react to identified leaks straight away, rather than weeks after receiving their quarterly water bills.

"After some three months of trial with the Alpha Group Leak Detection Unit, we have found it to be a very useful tool. It allows us to monitor our water use on a daily basis instead of getting a very nasty account for 3 months of water usage, several weeks after the actual reading of meter. By this time major leakages could have been occurring for up to 12 or 14 weeks and amounting to more than \$1,000 in additional water bills. The whole system in general is great and makes every one very aware of their daily usage."

Julian and Adam Desmazes

Notification the key

When Rick Munro receives an SMS message and email every morning from the Alpha Group Leak Detection Unit. It gives him an overview of his water usage on an hourly and daily basis. He is able to instantly react to any signs of higher than expected water use and locate the cause of the problem before any substantial losses occur.

"We are running the Alpha Group Leak Detection Unit and it has become one of our most useful investments. Combining the options of SMS message and email notification it takes no more than a few seconds each morning to have a very accurate flow chart of usage per day and on a litres per hour basis."

Rick Munro



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SYSTEM DETAILS

- Data transfer via Next G, GPRS or Satellite
- Stainless steel housing
- 12 v system charged by 5 watt solar panel —self contained battery
- Bird deterrer fitted to solar panel
- Moisture and pest protected housing



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