3G/GPRS/SMS communication with embedded roaming SIM technology
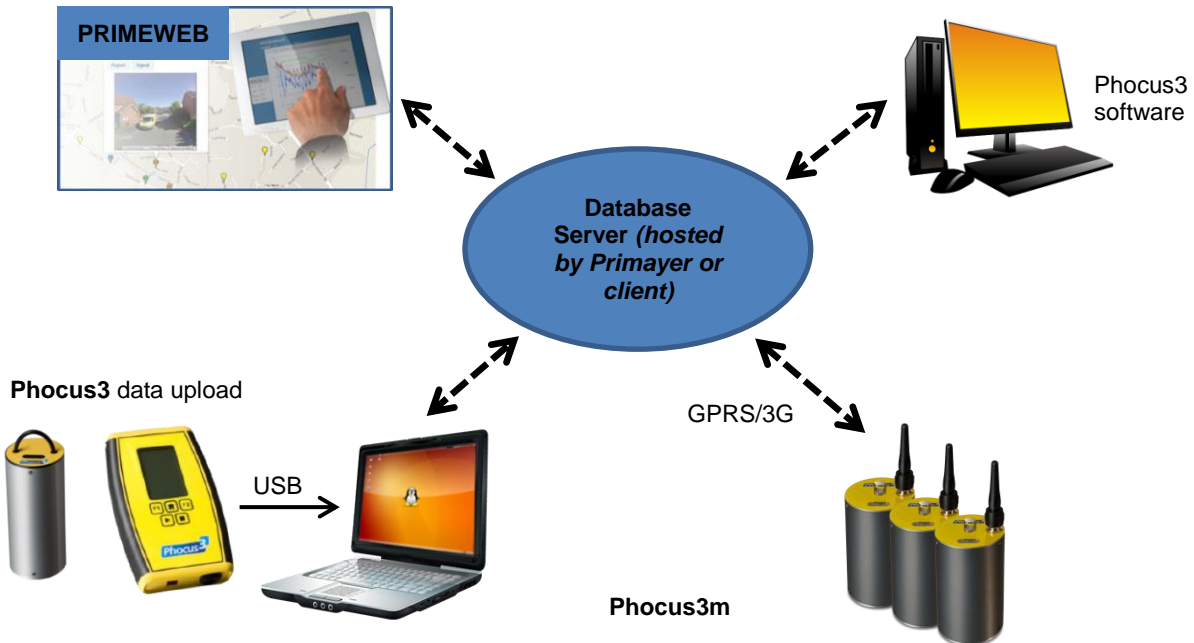
3G/GPRS Connectivity

The *Phocus3m* data is transmitted via HTTP transfer to a server operated by Primayer or by the customer. When operating on 3G/GPRS networks the leak detection numerical data is transmitted daily. An audio file (enabling leak confirmation) is also transmitted when a leak alarm status occurs; with a maximum of four audio file transmissions per month. Alternatively, the audio file can be transmitted daily but this requires a more expensive data contract. Access to all data is available on *PrimeWeb* (via an internet browser).

SMS Connectivity

When transmitting data via SMS the *Phocus3m* mimics the SMS format of the earlier *Phocus.sms* noise logger product. This means that *Phocus3m* (when transmitting SMS) and *Phocus.sms* loggers can be used together and the data imported into existing systems receiving *Phocus.sms* messages. Please note that the *Phocus3m* loggers require to be programmed using the *Phocus3 Communications Module.*

PRIMEWEB

Phocus3 software

Database Server *(hosted by Primayer or client)*

Phocus3 data upload

USB

GPRS/3G

Phocus3m

Data can also be manually uploaded from *Phocus3* 'lift and shift' loggers.

technology for network management and leakage control

PrimeWeb

PrimeWeb provides an on-line viewing facility for network flow + pressure data from *XiLog* and leak noise data + alarms from *Phocus* loggers. It is accessible on any device with internet access. When using *PrimeWeb* to view *Phocus3m* data it is recommended that the *Phocus3m* is used in data transfer mode, meaning that both histogram and audio data can be transferred in addition to the leakage confidence factor and critical noise

values. *Phocus.sms* data can be redirected to *PrimeWeb* for viewing together with *Phocus3m* data. The user PC, which reads the *Phocus.sms* messages from the modem, will automatically post the data up to *PrimeWeb* (providing this modem PC has an internet connection). *Please contact Primayer regarding further information on Phocus.sms data transfer.*

Embedded roaming SIM operation

Roaming operation automatically selects the best telecommunications service connection from available networks at the position of the logger installation. The *Phocus3m* is fitted with an embedded roaming SIM which will operate using either 3G/GPRS, GPRS only or SMS only communications. The embedded roaming SIM is fitted by Primayer during the product manufacture. The embedded roaming SIM contract is supplied by Primayer (details below).

Optionally, customer sourced embedded SIM's can be issued to Primayer for fitting into *Phocus3m* during the product manufacture. However, contract details and cost need to be discussed with your local SIM supplier. Primayer are able to manufacture sample units using customer SIMs but minimum quantities may apply at the volume manufacture stage. *Please contact Primayer regarding the fitting of non-Primayer supplied SIM's.*

Primayer embedded roaming SIM contract

The Primayer embedded roaming SIM contract applies to the countries listed – termed *Region 1 and 2.* The contract prices differ for Region1 and for Region 2. The price includes data delivery, server provision and use of the PrimeWeb internet browser viewing platform - providing leak alarm display and analysis. Contract prices are available on the Primayer Price List. If these SIMs are operated outside of Region 1and 2 countries then the price will be higher. *Please contact Primayer regarding data provision in other countries.*

Region 1

Australia, Austria, Belgium, Bolivia, Brazil, Bulgaria, Cambodia, Canada, China, Columbia, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Guadeloupe, Germany, Greece, Hong Kong, Hungary, India, Ireland, Italy, Kenya, Japan, Latvia, Lithuania, Luxembourg, Macau, Malaysia, Malta, Martinique, Mexico, Netherlands, Norway, Poland, Peru, Portugal, Reunion, Romania, Russia, Saudi Arabia, Singapore, Slovakia, Slovenia, South Africa, South Korea, Spain, Sri Lanka, Sweden, Taiwan, Thailand, Turkey, United Kingdom, United States of America.

Region 2

Bahrain, Bangladesh, Indonesia, Philippines, Qatar, United Arab Emirates, Vietnam.

Data connectivity products (all include PrimeWeb)

	Product Code
Using Primayer data provision service - includes airtime/SIM contract	
Multiple options for 1.5Mb/month and 5Mb/month data rates	See price list
Using Primayer data provision service - user provides airtime/SIM	
Phocus3 Service Provision - fee/logger/year	BXS 150

Information in this document is subject to change without notice.