

# Phocus<sup>®</sup>3

## Advanced acoustic logger – technical specification

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### Phocus3 logger features

- Two models available;
  - local infra-red (IR) contact - *lift+shift operation*
  - radio communications - *greater contact range*
- Integral high sensitivity accelerometer
- Small size
- Leak listening
  - real time - *whilst on-site*
  - recorded - *aids remote leak identification*
- GPS coordinates from Communications Module stored in logger



<b>Phocus3 logger specification</b>	<b>Local IR Communications</b>	<b>Radio Communications</b>
Sensor Sensitivity	5V/g	5V/g
Sampling period	1 second	1 second
Measurement epochs	3 x 15 minutes or 1 x 45 minutes	3 x 15 minutes or 1 x 45 minutes
Data memory	8 Megabits ~1year data + 90secs audio	8 Megabits ~1year data + 90secs audio
Infra-red communications range	50cm	50cm
Radio transmission - frequency - power - range		868MHz / 915MHz 15mW / 10mW 50 metres line of sight
Power	Lithium battery	Lithium battery
Operating life	10 years	5 years
IP rating	IP68	IP68
Operating temperature	-10°C to 50°C	-10°C to 50°C
Dimensions - not including handle - with handle - height to TNC - inc. stub antenna	92 x 40mm dia. 113 x 40mm dia.	105 x 40mm dia. 163 x 40mm dia.
Weight	230 gram	240 gram

### Communication Module features

- IR communications
  - program/readback single logger
- Radio communications
  - as per IR comms but also batch communication with multiple loggers when connected to PC
- Record GPS location for loggers
- Check logger status
- Transfer all data to PC software

### Communications Module Specification

Display	Daylight visible LCD
Data memory	32 Megabits ~1 week of data for 100 loggers + 360 seconds audio (total)
PC communications	USB
Power supply	Rechargeable NiMH battery
Operating life	>12 hours
Operating temperature	-10°C to 50°C
Dimensions	150mm x 90mm x 25mm
Weight	235 gram



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