



600 Series Acoustic Pinger

The 600 Series pingers are high specification pingers used for pig tracking and other subsea marking and location functions. A 600 Series pinger may be fitted to a pig for use in offshore, fluid filled pipelines.

Key benefits:

- Can be loaded many months in advance and will only be activated by conducting fluid e.g salt water or MEG, when line is flooded.
- Highly configurable - performance and functionality can be tailored to meet specific customer requirements e.g for differentiation between two pingers operating in close proximity.
- Battery life can be increased and/or conserved with an extended housing, lithium cells, Delay Start or Pressure Switch options.
- Shortened housing option means 600 can be used in 4inch NB lines that traditionally would not have been pigged.
- Dual rate option allows pinger to be configured with an external piece of equipment such as OEL Gauge Plate to confirm integrity of a subsea pipeline or as an alarm on an ROV.
- Part of the GRID™ system which transmits the time of an event as a series of acoustic pulses. This allows the location where the event occurred to be determined by reference to pumped volume data without having to recover the pinger first.

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The standard 600 Series model is powered by 3 Alkaline C Cells and produces up to 10W of acoustic power at a single operating frequency in the range of 26-42kHz (configured at time of manufacture). In addition to the standard model, a number of options are available that offer additional functionality and/or performance.

The exact location of a 600 can be determined using a directional receiver such as the diver operated OEL PR1, 2405 or ROV mounted OEL 2001RS/2402RS/2401 system

Specifications:

Battery Capacity:	3x Duracell ID1400 Alkaline C Cells*
Battery Life at +5°C	16.5 Days*
Acoustic Output Power	10W ±3dB*
Operating Temperature Range	-2°C to +54°C (+28°F to +129°F)
External Pressure Rating	3,000m(9,842ft)/300bar (4531 Psi)
Length	267mm (10.5")
Diameter	38mm (1.5")
Weight in Air	1.1kg (2.2lbs)
Housing Material	316 Stainless Steel
Endcap Material	Alloy Bronze CA104
Transducer Material	PEEK/PU

***Alternative Configurations**

The battery life of a 600 Series Pinger is dependent on the operating temperature, acoustic power, ping rate, pulse length and the number and type of C Cells. The acoustic power, pulse length and ping rate can be configured by OEL at the time of manufacture to match the customer’s desired performance and battery life. Please contact OEL to discuss specific project requirements.

