

EM61S Data Sheet

For operation in marine environments, the EM61S is a completely submersible coil and cable system capable of submersion to depths of more than 60 m. Available as an attachment to the standard EM61MK2. The EM61S includes a single coincident transmitter / receiver coil, with cable.



EM61S mounted on PVC sled for shallow surf zone data acquisition.

Most commonly, the EM61S is secured to a submersible platform that is positioned and operated on the sea bed. The collimated EM field generated by the 1 x 1m coincident coil ensures that the system can precisely locate small buried objects. The system will sample four gates centred at 216, 366, 660 and 1266 μ s which enables the operator to characterise targets. The EM61S has shown to be equally applicable in both freshwater and saltwater environments.

The system is supplied with a simple Windows mobile based rugged handheld PC and intuitive data acquisition software. GPS coordinates can be integrated into the recording software and layback calculations implemented.

Product Dimensions

Physical	Dimensions (L x W x H)	Weight
(instrument only)	100cm x 50cm x 10cm	18kg

Technical Specifications

Measurement Quantity:	Four channels of secondary response in mV
EM Source:	1m x 0.5m Air-cored coil.
Current Waveform:	Unipolar rectangular current with 25% duty cycle.
Maximum Output:	10 000mV.
Cables length:	60m standard, 100m optional.

