

Geospatial Modeling & Visualization

A Method Store for Advanced Survey and Modeling Technologies

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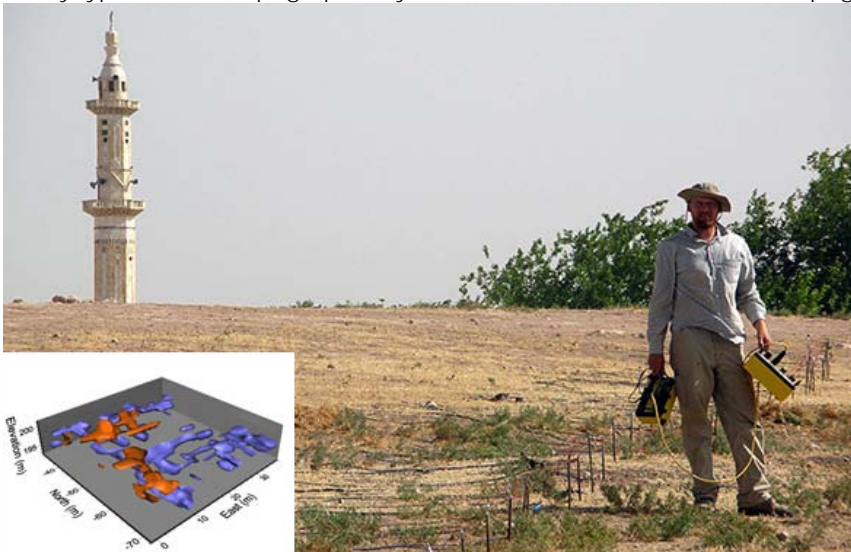
STING R1 Earth Resistivity Meter

[Checklist](#) | [Field Metadata Forms](#) | [Setup Operation](#)



CAST possesses a Sting R1, manufactured by [Advanced Geosciences, Inc. \(AGI\)](#). It is a single-channel portable earth resistivity meter with a capacity for 56 probes. The instrument includes the Sting R1 resistivity meter, a Sting switch box, and a Swift box. It operates using both an internal battery and an external 12V wet cell battery. The instrument connects via long cables with an individual take-out for each probe. This enables individual surveys to be conducted at probe spacings of up to 6m. Once a survey is set up, the instrument records resistivity readings for hundreds of points automatically. Numerous default surveys can be selected on the instrument including Pole-Pole, Schlumberger, Dipole-Dipole, and Wenner arrays, or the user may create a custom command file. The Sting R1 is capable of performing both 2D profiles and true 3D surveys, as illustrated below in data collected in Syria.

Two-dimensional profiles are processed in AGI's Earthimager 2D. Three-dimensional surveys are processed using AGI's Earthimager 3D. All survey types can be topographically corrected to account for surface topography.



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