

## Syscal Kid Data Sheet

Specifically designed for very shallow, high resolution resistivity sounding and profiling, the Kid is the most compact of the Syscal range whilst retaining the well-known reliability and measurement accuracy of its counter parts.



*Syscal Kid in operation by student at the University of Montana (Image Courtesy of the Department of Geosciences, University of Montana, USA).*

The Kid has one measurement channel and can be supplied with optional switch24 circuitry for undertaking Electrical Resistivity Tomography (ERT) measurements. ERT quadropole sequences are automatically computed by the instrument for the most common electrode arrays based off of the number of electrodes, electrode interval and depth levels. For more unconventional applications the user can manually define the quadropole geometry.

Easy-to-use, automatic, field proof, the Syscal Kid is ideal for archaeological, geological mapping and civil engineering applications.

### Product Dimensions

Physical	Dimensions (L x W x H)	Weight
(instrument only)	23cm x 18cm x 23cm	4.8kg

### Technical Specifications

<b>Voltage:</b>	Up to 200V
<b>Current:</b>	500mA
<b>Power:</b>	25W off 12V battery
<b>Pulse Duration:</b>	0.25s, 0.5s, 1s or 2s

<b>Channels:</b>	1 recording channel
<b>Input Impedance:</b>	22Mohm
<b>Max Voltage (across recording channels):</b>	15V
<b>Protection:</b>	Up to 1000V
<b>Accuracy:</b>	1%
<b>Resistivity Range:</b>	10 <sup>-3</sup> to 10 <sup>+5</sup> m
<b>Readings:</b>	Current, Voltage, standard deviation and 20 IP windows (pre-set or selectable)
<b>Stacking:</b>	User selectable stack threshold based off measurement standard deviation.
<b>Noise Rejection Routines:</b>	50 & 60Hz noise rejection. SP linear drift correction.
<b>Memory:</b>	1400 readings, stored on solid state memory
<b>Temperature:</b>	-10 to +50°C