

TIPIX 3000 Data Sheet

The TIPIX 3000 is a transmitter purposely designed for deep Induced Polarisation or Resistivity sounding investigations. This transmitter is generally used together with V-Fullwaves or Elrec Pro receivers.

This entry-level instrument has been designed for an ease of use and for a good productivity together with a strong protection against misuse. This very robust device has proven to be reliable even in very cold weather or in wet environment. It is able to inject up to 3000W in the soil and to inject up to 13A, so that it is suitable, even on conductive soils, to measure resistivity and IP at medium range depths. It is powered by standard generator.



With the possibility to limit current, power, voltage, and the different self-test and quality control of the injected signal, the TIPIX ensure a good protection for the device and the operator. This instrument features 4 buttons on the front face that allow the operator to select manually different voltage injection levels. The “automatic range” mode allows to select automatically the optimal injection level regarding the contact resistance.

To increase your productivity, several TIPIX can be synchronized together via external GPS. The Toff time used for IP measurements is therefore synchronized, so that one can perform several IP measurements on nearby places without interfering from one measurement on the other. This option can be used also to increase the signal/noise ratio by injecting with several synchronized TIPIX.

Product Dimensions

Physical	Dimensions (L x W x H)	Weight
(instrument only)	41cm x 24cm x 32cm	31kg

Technical Specifications

Pulse duration:	500ms, 1s, 2s, 4s, or 8s
Output Power:	0 - 3000 W
Output Voltage:	0 – 4800 Vpp
Output Current:	0-13000mA
Resolution / Accuracy:	1 mA / 1%
Synchronisation:	Auto on GPS PPS
Dipoles:	Dual Injection Dipoles
Readings:	Displays output current, output voltage, contact resistance and input power.
Protection:	Short circuits, thermal protection, Input overvoltage and under-voltage.
Power requirements:	Single phase motor generator 115 or 230 VAC / 50 or 60 Hz.
Operating Temp:	-40 to +60°C