

A complete EM transmitter solution for electrical geophysics

SMARTx4 is a unique, high quality EM transmitter system for reliable, efficient and safe operation.

- Extensive safety features, including: isolation of outputs from mains input, RCD protection against ground leakage on output, open output circuit shutdown, and safety interlock on output terminals
- Up to 3.6 kW output
- Maximum continuous output current 40A
- Maximum continuous output voltage 180V
- Duty cycle 25%, 50% or 100% or selectable
- Standard single and 3-phase input power options
- Internally regulated DC supply, power-factor-corrected, for clean square-wave output
- Provision to drive an external dummy load to smooth demand from generator
- Automated damping of transmitter loop
- Automated synchronisation with receiver via internal GPS, internal crystal clock or external clock
- 4 line x 20 character front panel LCD with display of current, voltage and important status information
- 24-bit capture and logging of transmitted waveforms to a removable memory card
- Live display of transmitter current and voltage waveforms via Ethernet interface
- Connectors that prohibit exposure of any live contacts
- Prominent emergency stop button
- Electronics are rugged and sealed - dust and water resistant
- Developed for operation in a wide range of temperature conditions
- Shock mounted transport case

