

Grounded/Loop dipole EM transmitter



KMS-5100 Options – 100, 150 or 200 KVA

KMS-5100 (100, 150, 200 kVA)



KMS-5100 land EM transmitter in portable field box; inside view; Timing and system response controller; and optional shock mounted, dustproof case (transport & field case).

The KMS-5100 electromagnetic (EM) land transmitter has been developed to provide a controlled current source for geophysical exploration techniques including Time Domain EM (LOTEM & TEM), Frequency domain and Time Domain Induced Polarization (IP) (including Time Frequency EM (TFEM)). This multi-function transmitter is ruggedized, portable, compact yet providing reliable maximum output power of 100, 150, or 200 KVA.

Product features

- Maximum power output: 100, 150 or 200 kVA, controlled with linear ramp (10 to 20 μs).
- GPS synchronized timing control for transmitter signal measurement.
- Long-range wireless for remote control and monitoring.
- Linear ramp better than 5 µs turn off characteristic.
- Bi-polar reversing ramp time < 20 µs or any other waveform.
- Suitable for Time domain EM (TDEM or LOTEM), Frequency Domain, Induced polarization (IP) (time domain) etc. with target depth of 600 m and deeper.
- Ideal for deep EM geophysical applications (several kilometers).
- Grounded dipole source or loop source.
- Integrated in KMS array system via KMS-820 transmitter controller.
- Controller has 6 analog & (unlimited) digital channels.
- Ruggedized design for field operations.
- Data is saved to SD card (16-32 Gbyte).
- Transmitter operation procedures/schedules are downloaded through wireless/USB interface or pre-saved to the SD card.



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Product specifications















