

# IRIS INSTRUMENTS

## INDUCED POLARISATION TRANSMITTER



- Ease of use
- Robustness

- 1800 V output voltage
- Standard motor generator

### TIPIX MAJOR BENEFITS

- TIPIX is a **2.2-kW transmitter** designed for IP surveys and for deep resistivity soundings.
- It is microprocessor controlled for **ease of operation** and protection against misuse.
- A four-line alphanumeric display is provided for the simultaneous indication **of all output parameters**: output current, output voltage, contact resistance and output power are continuously displayed
- A **standard motor generator** can be used to power the TIPIX

### TIPIX MAIN FEATURES

- The TIPIX will generate up to **1800 volts** for work in high resistivity areas and up to **13 amperes** for low resistivity regions.
- The TIPIX is designed **for ease of operation**. Four buttons on the front panel are used to select the desired options and to increase or decrease the current.
- **Limit values of voltage, current or power** can be introduced.
- **Messages and warnings** are displayed in case of problem or malfunction, for an easier identification of a trouble and a quicker instrument servicing.

# TIPIX

## RESISTIVITY & INDUCED POLARISATION 2.2 kW POWER TRANSMITTER

### TIPIX TECHNICAL SPECIFICATIONS

- Output Power: 2200 W maximum
- Output Voltage: 1800 V maximum
- Output Current: 13 amperes maximum

#### TIME DOMAIN MODE:

- Waveforms: [ON+,OFF,ON-,OFF], [ON+,ON-]
- Automatic circuit opening in OFF time.
- Preprogrammed ON times from 0.5, 1, 2, 4, and 8 seconds ON pulse duration.
- Display: Four-line alphanumeric liquid crystal display.
- Simultaneous display of output current, output voltage, contact resistance, and output power
- Protection:
  - short circuit at 20 ohms,
  - open loop at 100 000 ohms,
  - thermal,
  - input overvoltage
  - input undervoltage.
- Emergency STOP push button
- Possibility of gps synchronisation.

#### GENERAL FEATURES:

- Dimensions (h w d): 41 x 32 x 24 cm.
- Weight: 24 kg
- Power Source: 90 to 260 VAC, 50 or 60 Hz, single phase
- Operating temperature: -30 to +50 °C.



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