TIPIX 2200

RESISTIVITY AND INDUCED POLARISATION POWER TRANSMITTER

TIPIX 2200 MAJOR BENEFITS AND FEATURES

• TIPIX 2200 is a 2.2 kW transmitter designed for time domain IP and deep resistivity surveys. It will generate up to 2000 V for work in resistive areas and up to 13 amperes for low resistivity regions.

• Master - Slave mode to increase both voltage and power on high contact resistance environments for a maximum power of 4.4 kW and a maximum voltage of 4000 V. When connected to a TIPIX 3000, the maximum power of 5.2 kW and the maximum voltage of 4500 V allow to work in very resistive environments.

• A four line alphanumeric display provides simultaneous and continuous indication of output current, voltage, power and contact resistance.

• A standard single phase motor generator can be used to power the TIPIX.

• GPS synchronisation for multiple injection at the same time using several TIPIX (2200 or 3000) connected to different pairs of A and B electrodes, allowing to increase the reception signal.

• Optimal current injection with one press with the automatic selection of the best voltage range according to the contact resistance. A manual selection can also be used with 5 or 12 steps.

• Self-tests performed at the start of the system checking the proper functionning of main components. Messages and warnings are displayed for a better identification of trouble and a quicker instruments servicing.

• Limit values of voltage, current or power can be introduced in the system.

• Also available in 3000 W.

> 2200 W - 2000 V - 13 A

> MASTER-SLAVE MODE 4400 W - 4000 V - 13 A

> EASE OF USE

> ROBUSTNESS

> STANDARD MOTOR GENERATOR

TECHNICAL SPECIFICATIONS

2200 W OUTPUT POWER
2000 V OUTPUT VOLTAGE
13 A OUTPUT CURRENT
STANDARD MOTOR GENERATOR
90 TO 260 VAC, 50 OR 60 HZ, SINGLE PHASE

TIME DOMAIN MODE

WAVEFORM :
ON+,OFF,ON-,OFF
OR ON+,ON-
TIME BASE : 0.5, 1, 2, 4 AND 8 S

PROTECTION:

SHORT CIRCUIT
OPEN LOOP
THERMAL
INPUT OVERVOLTAGE
INPUT UNDERVOLTAGE
EMERGENCY STOP BUTTON

DIMENSIONS (L*W*H):

41 X 24 X 32 CM
FIBERGLASS WEATHERPROOF CASING

WEIGHT: 24 KG

OPERATING TEMP: -40°C TO +60°C

CONTACT : SALES@IRIS-INSTRUMENTS.COM

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TIPIX 2200

DIFFERENT POSSIBILITIES TO USE SEVERAL TIPIX TRANSMITTERS AT THE SAME TIME TO INCREASE YOUR RECEPTION SIGNAL

MASTER-SLAVE MODE

The MASTER-SLAVE mode allows to connect two TIPIX in series, whatever their power. This type of connection adds the maximum voltage and power of the two systems to increase the amount of current injected on medium to high contact resistance values.

The use of the MASTER-SLAVE mode is very easy as it is automatically recognized and the combined system maximum voltage and power is automatically updated.

The two TIPIX can be powered by a single motor generator making the complete system light and portable

GPS SYNCHRONIZATION

The MASTER-SLAVE mode is very adapted to medium to high contact resistance environments. However, increasing the current injected by the system in low contact resistance environment can be done using several synchronized TIPIX injecting at the same time on different pairs of A and B electrodes. Located close together their can be considered as one transmitter.

The total current flowing into the ground will be multiplied by the number of TIPIX. At the reception electrode, the reception signal will be also multiplied by the number of TIPIX.

TECHNICAL SUPPORT

A set of testing tools is available to check the operation of internal TIPIX boards at the laboratory. The user can perform by himself a technical diagnostic of different modules of the TIPIX to select the adequate spare part to purchase.

Specifications subjects to change without notice BR_TIPIX_2_GB_V3