

**Product Name :**  
Digital Electrical Resistivity Meter

**Product Code :**  
TEST5176RFQLAB-0041



**Description :**

Digital Electrical Resistivity Meter

**Technical Specification :**

Digital Electrical Resistivity Meter

Specifications:

32-bit microcontroller technology and 24-bit A / D technology

USB port

Auto compensation of self-potential, drift and electrode polarization

Receiver supports transient over-voltage protection for input voltage; transmitter supports over-voltage protection, overcurrent protection and AB open-circuit protection.

Built-in 12V lithium battery ( also support external 12v battery) for 20 hours continuous work.

Accessories:

External Power source

Stainless Steel Electrode

Standard test resistance

Box Twisted pair wire winch

Transmitting Power

Maximum Transmitting Power: 3500W

Maximum Voltage:  $\pm 1000$  V

Maximum Current:  $\pm 3.5$ A (over current protection)

Power supply waveform Duty cycle is 1:1, bipolar

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Receiving

Input impedance:  $\approx 50\text{M}\Omega$

Input voltage range:  $\pm 24\text{V}$ ,  $\pm 0.5\% \pm 1 \text{ LSB}$ , 24 bit A/D

Delay time: 0.1 ~ 5s (programmable)

SP compensation range:  $\pm 10\text{V}$

Max current sampling resolution: 0.02mA

Suppression: 80dB for 50Hz or 60Hz (industrial frequency interference)

Current measurement: 3.5A,  $\pm 0.5\% \pm 1 \text{ LSB}$ , 24 bit A/D

OTHERS

LCD display: 160 \* 160 dot matrix LCD

Storage:  $\approx 1\text{GB}$

Working temperature:  $-10^\circ\text{C} \sim +50^\circ\text{C}$  (Environmental), 95 % RH

Storage temperature:  $-20^\circ\text{C} \sim +60^\circ\text{C}$  (Environmental)

Power supply built-in 12V lithium battery(or external 12V power supply),more than 20 hours of continuous work

Internal transmitting power(only WDDS-3) Max current is 300mA, Max voltage is 200V



**Testing lab instruments India**