



BAK ELECTRONICS, INC. Biomedical Instrumentation

41301 Silver Drive, Umatilla, FL 32784 / Office: 407-324-2907 / e-mail: bakinc@rcn.com

AC DIFFERENTIAL AMPLIFIER WITH REMOTE PROBE AND IMPEDANCE TESTER

Model MDA-4I



Description:

The model MDA-4I has precisely the same operational characteristics and specifications as the model MDA-4 and MDA-4P when the IMPEDANCE mode switch is in the NORMAL OPERATION position. When the IMPEDANCE mode switch is in either test position both inputs to the amplifier of the probe stage are grounded. The probe input connectors are reconfigured to connect to the impedance test circuitry of the probe. In the "IMPEDANCE TEST +" or the "IMPEDANCE TEST -" position of the IMPEDANCE mode switch, an AC constant current source is applied to the appropriate input lead and the impedance of its electrode is read on the meter. The other input lead is left floating.

Impedance Test Specifications:

Sine Wave Test Frequency: 1kHz

Testing Current: Less than 30 nanoamps

Impedance Testing Range: 10K to 5 Megohms

Accuracy: Less than 10% error