

MLE2002 Model 1089 MK III Checktrode®

Instruments

Description

The MLE2002 Model 1089 MK III Checktrode® by UFI allows quick and easy evaluation of total electrode contact impedance in studies including EEG, ECG and EMG. By evaluating total electrode contact impedance, electrodes can then be removed and re-attached to minimize noise and interference.



Features

The Checktrode unit is powered by a standard 9V battery and is turned on using the red power button. The unit automatically turns off after three minutes. The Function Selector switch allows the selection of four measurement functions.

- **50 k Ω test** function provides 50 k Ω impedance. The reading display should be between 49.5 and 50.5 k Ω .
- **Contact (k Ω)** function provides evaluation of electrode contact impedance.
- **Offset (mV)** function measures the potential generated by a pair of electrodes connected to the body
- **External Battery (V)** function measures the voltage reading of an external battery using a 1,000 Ω load.

Application

The MLE2002 1089 MK III Checktrode® may be used to test:

- integrity of electrode/skin contact in physiological and/or bio-electrical systems
- quality of electrodes
- integrity of electrode wires
- external batteries such as those used in telemetry and other physiological monitoring systems

Caution

Read "Statement of Intended Use" on our website or in "Getting Started with PowerLab" before use.

Specifications

Impedance display:	3 1/2 digit LCD display
Contact impedance range:	0 - 199 k Ω
Excitation frequency:	30 Hz
Typical excitation current:	10 μ A p-p (constant current)
Calibration setting:	50 k Ω
Input connectors:	Two 2 mm (0.080") sockets Two 1.5mm (0.060") safety jacks One male snap
Battery test load:	1 k Ω
Power switch:	Push-button ON with auto-shutdown
Case:	15.24 x 8.89 x 3.81 cm (6" x 3.5" x 1.5")

All specifications were tested at the time of printing and are subject to change.

Ordering Information

MLE2002 Model 1089 MK III Checktrode[®]

For use with: EEG, ECG and EMG electrodes. Both 2 mm sockets and 1.5 mm safety jacks are supported