



Table 1 - CHARACTERISTIC IMPEDANCE METER



- **Measures CHARACTERISTIC IMPEDANCE OF CO -AXIAL OF RANGE 50 OHMS TO 100 OHMS successfully.**
- **Wide Sinusoidal Frequency Range of measurement starting from 1MHz to 100MHz in steps of 1MHz at which Characteristic Impedance is computed.**
- **HAND HELD DEVICE for Field Instrumentation with a BATTERY BACKUP of more than 200 minutes.**
- **DETECTS AND REPORTS FAULTY CABLE in case Cable is SHORT, OPEN or DISCONNECTED2.**
- **Cable Length for measurement tested range from 45m to 150m.**
- **Computation Accuracy ranges within $\pm 10\%$ of the actual impedance of the cable (Tested for 50 Ω and 75 Ω cables).**
- **32X160 Graphic LCD for the display of computed Characteristic Impedance, Frequency and Characteristic Impedance (Ω) v/s Frequency (MHz) graph and other important parameters. Display is used for important status messages for uSD Card, USB, Meter Configuration and etc. Display also indicates Battery Voltage Level.**
- **2GB uSD Card Storage capacity for storing the computed Charac teristic Impedance along with the measurement signal frequency. Maximum storage capacity of the meter is tested upto 2GB.**
- **USB-OTG (On the Go) Interface for transfer of the uSD Card storage data to a PC as a Pen-Drive.**
- **Exclusive PC based spread sheet display of experimental data.**
- **7.4 Volt (3.7V x 2Cells), 1700mA Li -ION Rechargeable Battery Back Up of 3 hours of full instrument operation. The battery can with stand a temperature of 0 to 45°C during charge and -20 to +60° C during discharge3.**
- **Tough ABS Enclosure3, with Flame Retardant UL94 V0 Material3 with Brass Inserts4 in the Corner Posts**
- **Industrial grade components for field usage, PCB temperature grade 0 to 125 degree C.**
- **Detailed Manuals Available.**



TECHNIDSOLUTIONS



AN ISO 9001:2015 CERTIFIED ELECTRONICS SYSTEM DESIGN AND DEVELOPMENT COMPANY

THIS HAS BEEN DEVELOPED FOR BARC, MUMBAI AND IGCAR, KALPAKKAM FOR GENERAL INSTRUMENTATION APPLICATION