MIDTRONICS

Micro Celltron Specifications

Operating Temperature range:	0° C to +40° C, 95% relative humidity, non-condensing
Storage Temperature range:	-29° C to + 70° C, 95% relative humidity, non-condensing
Temperature Compensation Algorithm:	Battery condition test result compensated for temperature values from 0°C to +35°C. Compensation slope is calculated from a normalized battery temperature of +25°C. Compensation is 0.7% per degree Celsius.
Impact Testing/Drop Resistance:	One meter drop onto concrete on each of 6 axes. No documented failures from normal use over 35,000 unit sales of this type of tester and housing.
Housing Material:	Impact resistant ABS Grade T
Face Plate Material:	Lexan Ploycarbonate
Cable Jacket Material:	PVC
Acid/Alkali and grease resistance:	Highly resistant to sulfuric acid, no-ox grease and other petroleum products used in normal Lead/Acid battery service.
Shipping Weight:	Approximately 0.5 Kg, test set only
Tester Dimensions:	230 mm X 102 mm X 65 mm
Connecting Clip Tension:	Tension equal to 3 Kg
Battery drain of tested battery:	Less than .001 amp hour removed from battery per test; total current load is less than 1 amp during each test.
Overvoltage Protection:	To +60V DC continuous (fused @ 20V DC)
Reverse Voltage Protection:	Diode protected, tester will not function when connected backward on any 2V – 12V DC battery
Overcurrent Limit:	1.25 Amps
Protective Device Operational Limit:	250V DC
DC Power Source:	Powered by one 9V alkaline battery
AC Power Source:	N/A – Not AC powered, no earth potential present in tester
Estimated Battery life:	Approximately 1,000 test operations
Operational Voltage Range:	1.0V DC to +15.0V DC
Battery Types:	Single cell through 6 cell lead-acid batteries
Specified Test Range:	100 Siemens (Mhos) to 10K Siemens (Kmhos)
	Highest effective range 5Ah to +2000Ah
Conductance Measurement Accuracy:	+/- 2% across the full-calibrated range
Voltage Accuracy:	Within 20mV DC at time of test display
Visual Display:	STN LCD – 2 line 16 character extended temperature
Audible Display:	85dB Piezo Buzzer, audible during test start, completion and review
Datalog Capacity:	256 Jars maximum
Calibration Frequency and Cost:	N/A – Built-in calibration feature performed prior to every test. Recalibration is not required.
Year 2000 (Y2K) Compliance:	Designed and tested in full compliance with all Year 2000, Y2K, and Millennium standards