

We test, You fly

EEST 50-60 BATTERY TESTER SERIES

WORKSHOP EDITION / STAND ALONE UNIT

- COMPUTERIZED TEST BENCH FOR BATTERY MAINTENANCE
- ALL BATTERY TYPES
- SWITCHED MODE POWER SUPPLY



Mains Characteristics

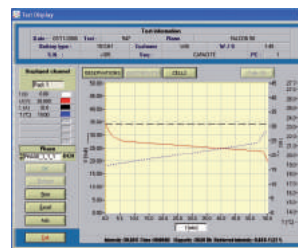
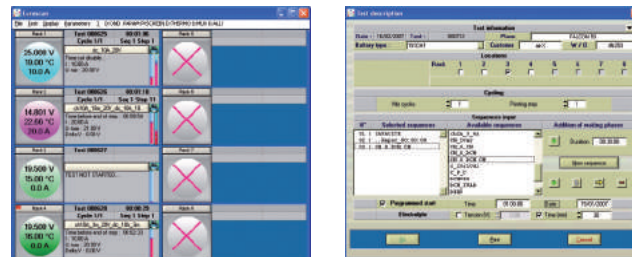
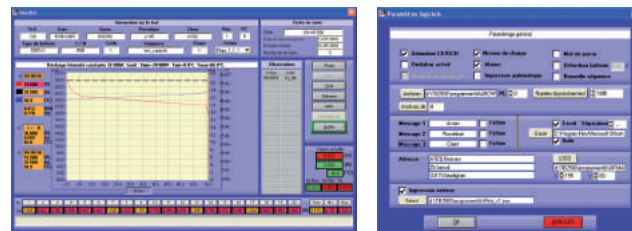
- * 1 channel of charge/discharge 50V / 60A
- Main powers available are indicative ones (Voltage and intensity in charge and discharge on each channel can be adapted upon request)
- Immediate or delayed test start.
- Control of voltages under 16 bits.
- Temperature Measurement with type K thermocouples.
- Alarm for electrolyte level.
- Shut down at predefined voltages Min, Max or delta V.
- Shut down as a function of time - Protection against temperature defect.
- Set up of multiple cycles and / or sequences
- Functioning in "local" mode, electronic management, if computer failure.
- Possibility of controlling the EEST from a remote location.
- Printing and automatic filing of data at the end of the test.
- Data protection and results saving and backup in case of power shutdown.
- Test result storage and research by user defined criteria.
- Curves drawing per phase.

Option

- Connection systems for battery elements voltage, measurement or deep discharge



Software interface



Typical screen display

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1 to 12 channels of independent measures

FUNCTION	Characteristics <input checked="" type="radio"/> : Standard <input type="radio"/> : Option
Channel selection	<input checked="" type="radio"/> Selection of one channel available even if others are in use
Charging phase	<input checked="" type="radio"/> Constant or variable Intensity/Voltage
	<input checked="" type="radio"/> Adjustable from PC, profile, EXCEL file
	<input checked="" type="radio"/> On I constant, or variable, limit U max, $-\Delta V$, time, temperature min and max, $\Delta T^\circ/\Delta t$
	<input checked="" type="radio"/> On U constant, or variable, limit I min, times ΔI (%), temperature min and max, $\Delta T^\circ/\Delta t$
	<input checked="" type="radio"/> Temperature protection probe type K, adjustable
	<input type="radio"/> Elements voltage measurements and stop or stand by on elements voltage
Discharging phase	<input checked="" type="radio"/> Constant or variable Intensity
	<input checked="" type="radio"/> Adjustable from PC, profile, EXCEL file
	<input checked="" type="radio"/> U min limit, time, temperature min and max, $\Delta T^\circ/\Delta t$
	<input checked="" type="radio"/> Temperature protection probe type K, adjustable
	<input type="radio"/> Elements voltage measurements and stop or stand by on elements voltage
	<input type="radio"/> Automatic deep discharge
Stand by phase	<input checked="" type="radio"/> Stand by period adjustable from PC
Cycle	<input checked="" type="radio"/> Choice of phases totally adjustable from PC
	<input checked="" type="radio"/> In chronological order or according to conditions
	<input checked="" type="radio"/> Repeat cycles
	<input checked="" type="radio"/> Sequence of cycles with different phases
Status of channels	<input checked="" type="radio"/> Permanent display of battery status, colour code
Status of test	<input checked="" type="radio"/> Permanent display of data regarding current phase
Errors message and observations	<input checked="" type="radio"/> Error message display
	<input checked="" type="radio"/> Automatic storage of all errors during test
	<input checked="" type="radio"/> Send by email: errors, observations, message
Blank play	<input checked="" type="radio"/> Check up of all contacts before test lanch
Pause, Stop	<input checked="" type="radio"/> Possibility to pause/stop during the test
Delayed or immediate start	<input checked="" type="radio"/> Select time and date for test start
Results	<input checked="" type="radio"/> Data on test performed and tested battery
	<input checked="" type="radio"/> Plan voltage, intensity, temperature
	<input checked="" type="radio"/> Restored or absorbed capacity (% and Ah)
	<input checked="" type="radio"/> Voltage, Intensity and temperature at the beginning and at the end of phase
	<input checked="" type="radio"/> Events happened during the selected phase
	<input type="radio"/> Voltage of each battery elements
	<input type="radio"/> Average, Min and Max of element voltage

FUNCTION	Characteristics <input checked="" type="radio"/> : Standard <input type="radio"/> : Option
Phase filing	<input checked="" type="radio"/> Automatic filing at the end of each phase (all data, history → traceability)
	<input checked="" type="radio"/> Save current data if error encountered
	<input checked="" type="radio"/> Archives in network
	<input checked="" type="radio"/> Consultation of archives between different benches
Print	<input checked="" type="radio"/> Automatic print of results at the end of test
	<input checked="" type="radio"/> Print on demand of the result of one battery for one phase (modification of axes available)
	<input type="radio"/> Possibility to print voltage acquisitions
Display	<input checked="" type="radio"/> Display of I, U, T° for each channel in test
	<input checked="" type="radio"/> Display zoom on curves
	<input checked="" type="radio"/> Display of each channel in test results
	<input type="radio"/> Display of elements tension
Intermittent printing	<input checked="" type="radio"/> Choice of step between prints in automatic mode
Inverter	<input type="radio"/> Protection and saving of all data during power cut
Alarm	<input checked="" type="radio"/> Buzzer for check-up level of electrolyte, temperature defect
Custom-designed	<input type="radio"/> Software of piloting and acquisitions (reception, statistics, curves upon request)
	<input type="radio"/> CMM programming
	<input type="radio"/> Power adjustable on request
Element voltage	<input type="radio"/> Individual measurement of each battery element voltage
Re-balancing	<input type="radio"/> Deep discharge or re-balancing test
Isolation	<input type="radio"/> Automatic isolation measurement
Export data	<input checked="" type="radio"/> To EXCEL