

AUTOMATIC CELL MONITORING OF AIRCRAFT BATTERIES



This unique cell monitoring equipment is designed to continuously monitor individual Ni-Cd or Silver Zinc Oxide cell for its health by measuring its voltage at the time of charging as well as discharging, as the case may be. It not only accurately monitors (upto 2nd decimal place) and displays the individual cell voltages, but also generates an alarm in case voltage of one or more cell crosses the set voltage. Thus it

eliminates continuous measurement of all cells by an operator and hence reduces stress and manpower of charging room personnel.

This unique equipment can be used both at the time of charging as well as discharging. It can be connected with Battery charger during Battery Bank charging or with Battery discharger during Battery capacity test. While the over-voltage level of any individual cell can be set during charging, it is the Battery under voltage level that needs to be set during discharging.

The equipment is also provided with a potential free contact and a buzzer so that once a specified no. of cells (user settable) reach a pre-set voltage level, the charger or discharger is made to trip automatically.

This equipment does not require any external supply.

TECHNICAL SPECIFICATION

Input Voltage	:	12V-32V DC (Option for 230V operation also available)
Input Power	:	15W
Range of Voltage / Cell	:	0.5V - 2.6V (User settable)
Indications (LED)	:	Hold Mode, Charging Mode, Discharging Mode
Modes Available	:	Charging Mode
	:	Discharging Mode
	:	Fault Detection Mode
Serial Interface	:	RS 232 / RS 485 (On user request)

OTHER PRODUCTS:

- Ground Power Unit for Aircraft starting / Servicing.
- Portable GPU for Helicopters / Light Aircrafts.
- Helicopter Starting Rectifier.
- Frequency Converter upto 140kVA.
- Battery Discharger-Capacity Tester.
- Cell monitoring System for Aircraft Battery.
- Custom built High Power Rectifiers / Controls.
- Load Bank for Alternator / DG set testing.
- AC-DC & DC-DC Converters.
- Battery Chargers from 24V/48V/110V/220V upto 1500A.
- Micro Controller based Battery Chargers.
- Integrated Power Supply for Railway Signalling.
- SMPS based chargers for Telecom (48V) & Power Sector (110V / 220V).
- Embedded System based product development.

Statcon Power Controls Ltd.