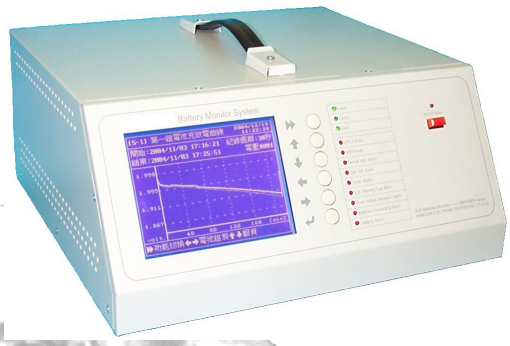
LeadTek Battery Monitor System

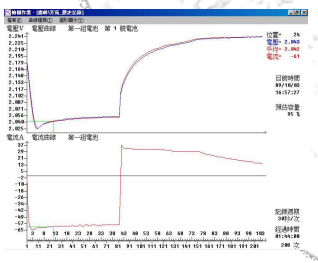
Multi Batteries Recorder —— BRU range

- Each location gathers up to 15 BMS
- Each BMS gathers and records data from up to 8 strings of batteries
- Each string can have 30 blocks

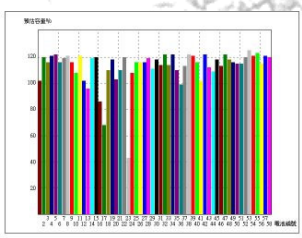


Feature

- Easy to expand battery strings simply by interface card
- String voltage, single block/cell voltage, discharge/recharge current, ambient/battery temperature are available at site (LCD screen)
- String voltage, single block/cell voltage, ambient/battery temperature, voltage sensor fuse and BMS shutdown alarm are constantly available at site (through LED indicators)
- Different priority level alarms by dry contact
- Connection RS-485 to BMS (up to 15 sets)
- Connection RS-232 to local PC or to remote monitor via modem
- Ethernet interface RJ-45 connector suitable to log on the internet while remote computers are also lodged through Internet/Intranet
- Automatic recording of all batteries discharge and recharge data
- Scanning 30 cells in less than a second
- Automatic calculation and analysis of residual capacity on each block (optional)



Recharge curve



Batteries capacity

Map View

MRU is a controller hardware. It receiver and transform all data from batteries. It stores discharge/recharge data besides floating data. It communicates through the internet (master) and other MBR by RS485 interface. It automatically analysis battery's alarm indicating alarm status by dry contacts. It has a local LCD display showing batteries data. Each Mru has a machine ID code.

Hardware specifications

Leedex C&C CO., LTD.
Tel +886-2-26890535 - Fax +886-2-26890533

System

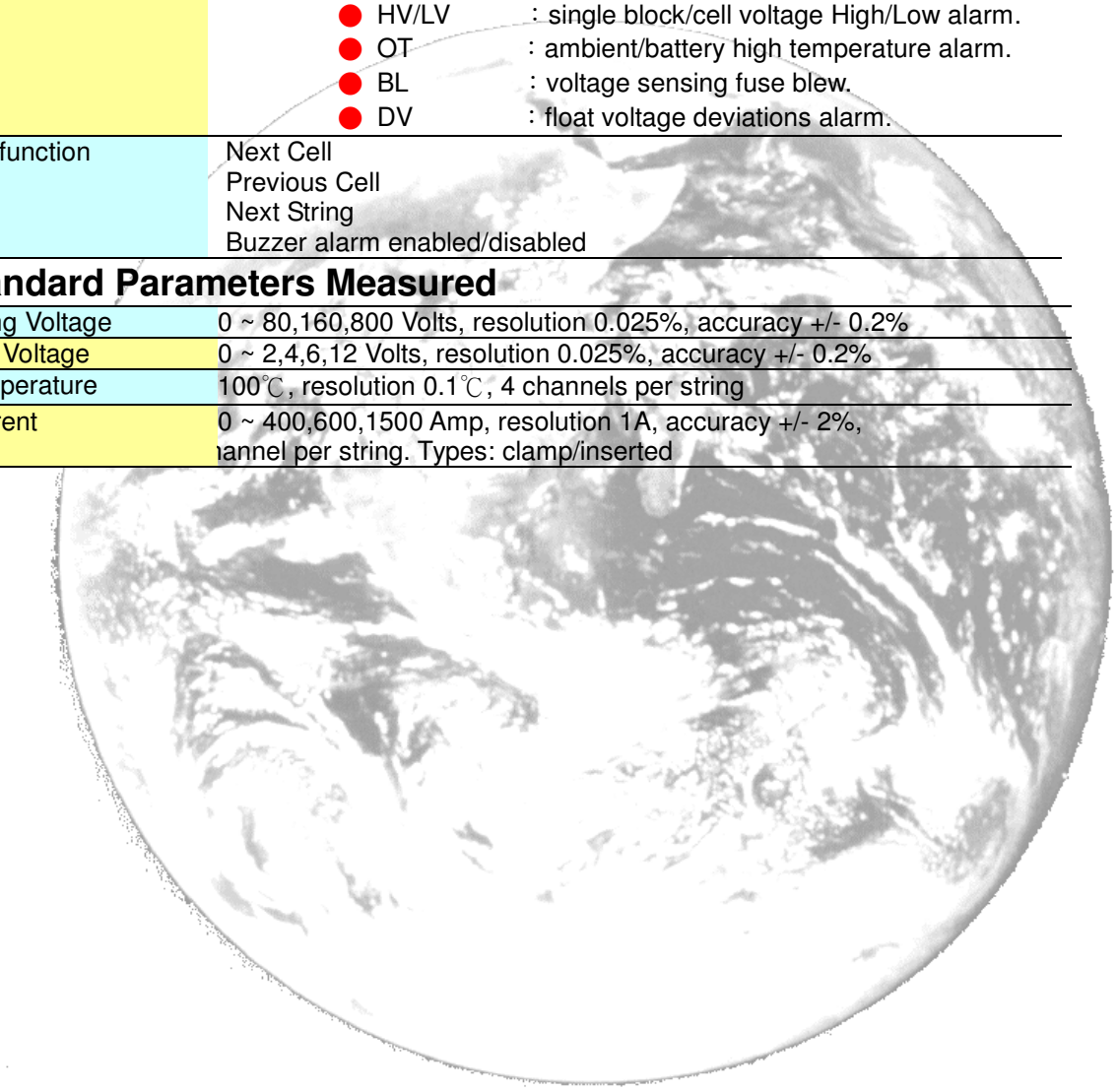
System memory	1024 KB SRAM
Communication port	RS-232 / RS-485 x 2, RJ-45 (master) x 1

Display & Operation

Display LCD	24 characters x2 LCD Display for string voltage, single block/cell voltage,current, temperature, indication single block/cell higher/lower. display single block/cell residual capacity percentage.(optional)
LED indication	Status： ● Power ：hardware power indicator ● Com. ：hardware communication to local PC or internet. ● Scan. ：hardware scanning battery data. Failures：● CPU Failure：hardware CPU failure. ● F.A. ：hardware fault. ● THV/TLV ：string voltage High/Low alarm. ● HV/LV ：single block/cell voltage High/Low alarm. ● OT ：ambient/battery high temperature alarm. ● BL ：voltage sensing fuse blew. ● DV ：float voltage deviations alarm.
Key function	Next Cell Previous Cell Next String Buzzer alarm enabled/disabled

Standard Parameters Measured

String Voltage	0 ~ 80,160,800 Volts, resolution 0.025%, accuracy +/- 0.2%
Cell Voltage	0 ~ 2,4,6,12 Volts, resolution 0.025%, accuracy +/- 0.2%
Temperature	100℃, resolution 0.1℃, 4 channels per string
Current	0 ~ 400,600,1500 Amp, resolution 1A, accuracy +/- 2%, hannel per string. Types: clamp/inserted



Leedex C&C CO., LTD.
Tel +886-2-26890535 - Fax +886-2-26890533