Datalog Controls and Solutions Pvt. Ltd.

.....A team for real time Data Acquisition

DATALOG CONTROLS AND SOLUTIONS PVT LTD

Plot no: 196, Phase – II, IDA, Cherlapally.

HYDERABAD

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About Datalog Controls

Datalog Controls and Solutions was established in the year 1998 with an objective of developing indigenous Test and data acquisition solutions. Over the two decades, **Datalog** has pioneered the design and development of complex missile battery test systems, electronic load banks, High Power DC sources, automated test setups and so on.

Being an ISO 9001:2008 Certified organization, **Datalog** has been involved in the successful development of many customized solutions to various defence establishments, PSUs and the Private Industry.

With an excellent manufacturing facility, **Datalog** is empowered by its highly qualified team of engineers in the research and development, takes up highly challenging and complex tasks for the defence, military, railways and the industry.

PRODUCTS...

- ➢Load Banks
  - ➢Electronic Loads
  - ➢Resistive Loads
  - ➢Inductive Loads
- ➢ Battery Chargers
- ➢Battery Packs
- ➢Test Systems
- ➢Power Supplies
- ➢MIL Grade DC-DC Converters
- ➢Others

DC Resistive Load Bank (300V/500A)

Salient Features:

- ➢Specifically designed for simulate DC Source and to discharge the Batteries
- ➢Input Voltage: 300V DC
- ➢Load: 500A Programmable in steps of 5A
- ➢Forced air cooling
- ➢Indicators: Voltage, Current
- ➢Input Termination: Bus bar Terminals
- ➢Load Elements:
  - ⇒ High Power wire wound, silicon coated resistive loads
- ➢Load selection: Through DC MCB's
- ➢ 230V AC Auxiliary Supply
- ➢IP 21Protection grade

Resistive Load Bank (750V/400A)

Salient Features:

- ➢Specifically designed to discharge the Batteries
- ➢Input Source: 750V
- ➢Load: 400A
- ➢Forced air cooling and air exhaust
- ➢Cable Entry: Through back panel
- ➢Load Elements: High Power wire wound, silicon coated resistive loads
- ➢Load selection: Through heavy duty AC MCB's
- ➢Suitable Bus bar terminals provided the inside the load bank
- ➢Terminations: All Load wire terminals brought to one side of the panel with proper insulation
- ➢ 230V AC Auxiliary Supply
- ➢IP 21Protection grade

AC DC Resistive Load Bank (100kW)

Salient Features:

- ➢Specifically designed for simulate AC or DC Source and to discharge the Batteries
- ➢This same AC load bank can use it as DC load bank by connecting of two phases are in series for this we provide a contactor to conduct in series then you can use it as DC load
- ➢Input Voltage: 440V DC
- ➢ Current: 227A
- ➢ Load Power: 100kW Programmable with steps
- ➢Forced air cooling from front and air exhaust from back side of the panel.
- ➢Load Elements: High Power wire wound, silicon coated resistive loads
- ➢Load selection: The loads will be controlled by heavy duty 3P- Contactor for total load then individual loads also operated by separate Contactors
- ➢ 230V AC Auxiliary Supply
- ➢IP 21Protection grade

DC Resistive Load Bank (155V/65A, 10kW)

Salient Features:

- ➢Specifically designed for simulate DC Source and to discharge the Batteries
- ➢Input Voltage: 155V DC
- ➢Load: 65A Programmable with steps of 2A
- ➢Forced air cooling from front and air exhaust from back side of the panel.
- ➢Load Elements: High Power wire wound, silicon coated resistive loads
- ➢Load selection: Through heavy duty DC MCB's
- ➢ 230V AC Auxiliary Supply
- ➢IP 21Protection grade

DC Resistive Load Bank (28V/180A, 5kW)

Salient Features:

- ➢Specifically designed to discharge the Batteries
- ➢DC Source: 20V (±) 8V
- ➢Load:180A Programmable in steps of 10A
- ➢Load Set Point control: Remote (Analog or Digital or through Switches)
- ➢Duration of Operation: Min 2Hrs continuous
- ➢Cooling: Force Air Cooling/Water Cooling
- ➢Indicators: Voltage, Current, Power
- ➢Load Elements:
  - ⇒ High Power wire wound, silicon coated resistive loads
- ➢Load selection: Through heavy duty Contactors
- ➢Control of Load Bank:
  - ⇒ Manual ON/OFF Switch
  - ⇒ Remote ON/OFF Provision (Through potential free contact)
  - ⇒ Load Control through remote set point
- ➢230V AC Auxiliary Supply
- ➢IP 21 Protection grade

DC Resistive Load Bank (325V/1000A)

Salient Features:

- ➢Specifically designed for simulate DC Source and to discharge the Batteries
- ➢Input Voltage: 325V DC
- ➢Load:1000A Programmable with steps
- ➢Forced air cooling
- ➢Indicators: Voltage, Current
- ➢Load Elements:
  - ⇒ High Power wire wound, silicon coated resistive loads
- ➢Load selection: Through DC MCB's
- ➢ 230V AC Auxiliary Supply
- ➢IP 21Protection grade

Dual Resistive Load Bank (110V/400A, 220V/400A)

Salient Features:

- ➢Specifically designed to discharge the Batteries
- ➢Load1:
  - ➢Voltage: 110V
  - ➢Load:400A Programmable with steps
- ➢Load2:
  - ➢Voltage: 220V
  - ➢Load: 400A Programmable with steps
- ➢Cooling: Force Air Cooling
- ➢Input Termination: Bus bar Terminals
- ➢Indicators: Voltage, Current
- ➢Load Elements:
  - ⇒ High Power wire wound, silicon coated resistive loads
- ➢Load selection: Through MCB's
- ➢Control of Load Bank:
  - ⇒ Manual ON/OFF Switch
  - ⇒ Remote ON/OFF Provision
- ➢230V AC Auxiliary Supply
- ➢IP 21 Protection grade

DC Resistive Load Bank (300V/500A)

Salient Features:

- ➢Specifically designed for simulate DC Source and to discharge the Batteries
- ➢Input Voltage: 300V DC
- ➢Load: 500A Programmable in steps of 5A
- ➢Forced air cooling
- ➢Indicators: Voltage, Current
- ➢Input Termination: Bus bar Terminals
- ➢Load Elements:
  - ⇒ High Power wire wound, silicon coated resistive loads
- ➢Load selection: Through DC MCB's
- ➢ 230V AC Auxiliary Supply
- ➢IP 21Protection grade

AC Resistive Load Bank (230V/43A)

Salient Features:

- ➢Specifically designed to discharge the Batteries, to test the DG sets, Power grids and Inverters
- ➢Input Voltage: 230V AC
- ➢Load Current: 43A
- ➢Load Power: 10KVA
- ➢Load Steps: 9KVA and 1KVA
- ➢Forced Air Cooling
- ➢ Load selection: Through heavy duty Contactors
- ➢ Load Elements:
  - ⇒ High Power wire wound, silicon coated resistive loads
- ➢ Measurement: Voltage and Current
- ➢ Auxiliary Supply: 230V AC
- ➢ Protection grade: IP 21s

DC Resistive Load Bank (110V/500A, 50kW)

Salient Features:

- ➢Specifically Designed for simulate DC Source up to 50kW and test the Battery Bank
- ➢Input Voltage: 110V
- ➢ Load Current: 50A-500A
- ➢Load Steps: 50A, 100A, 200A and 400A
- ➢ Forced Air Cooling
- ➢ Load selection: Through heavy duty Rotary switches and Contactors
- ➢ Load Elements:
  - ⇒ High Power wire wound, silicon coated resistive loads
- ➢ Measurement: Voltage, Current and Power
- ➢ AC Auxiliary Supply230V
- ➢ IP 21 Protection grade

DC Resistive Load Bank (110V/273A, 30kW)

Salient Features:

- ➢Specifically designed to discharge the Batteries
- ➢Input Voltage: 230V DC
- ➢Load Current: 273A
- ➢Load Power: 30kW
- ➢Load Steps: 5.4kW and 3kW
- ➢Forced air cooling
- ➢Load selection: Through heavy duty Contactors
- ➢Load Elements:
  - ⇒ High Power wire wound, silicon coated resistive loads
- ➢Measurement: Voltage and Current
- ➢230V AC Auxiliary Supply
- ➢IP 21 Protection grade

AC Resistive Load Bank (415V/205A)

Salient Features:

- ➢Specifically designed to discharge the Batteries
- ➢Input Voltage: 415V AC
- ➢Load Current: 205A
- ➢Load Power: 255KVA
- ➢Load Steps: 85KVA, 42.5KVA and 21.25KVA
- ➢Forced air cooling
- ➢Load Elements:
  - ⇒ High Power wire wound, silicon coated resistive loads
- ➢Load selection: Through heavy duty Contactors
- ➢ 230V AC Auxiliary Supply
- ➢IP 21Protection grade

Resistive Load Bank (12V/1500A, 18KW)

Salient Features:

- ➢Designed for load simulation tests on battery banks
- ➢Load through MCB's and disconnected and Switches
- ➢Load capacity current 1500A
- ➢Voltage, current and AH display through digital display meters
- ➢Forced air cooling
- ➢Load Power: 18kW
- ➢Load selection: Through heavy duty Contactors

Resistive Load Bank (48V/300A)

Salient Features:

- ➢ Designed for load simulation tests on battery banks
- ➢Load setting through toggle switches
- ➢ Input Voltage: 48V
- ➢Load capacity current 300A
- ➢Portable for field service application
- ➢ Voltage and Current display through digital display meters
- ➢ Forced air cooling
- ➢Load selection through 3 individual branches of 100A
- ➢User can easily operating providing of rotary switches

Resistive Load Bank AC

Salient Features:

- ➢ specifically designed to test the DG sets and Power grids
- ➢3 Phase
- ➢Input Voltage: 415V
- ➢Load Current: 45A
- ➢ Measure the parameters through Energy Meter
- ➢ Forced air cooling
- ➢Load selection: Through heavy duty toggle switches
- ➢ Measurement: Voltage, Current, Power, KVA, PF, KVAR

AC Resistive Load Bank (125KVA)

Salient Features:

- ➢Specifically designed to test the Drive Motors and Metro cabins
- ➢Input Voltage: 4600V AC
- ➢Load Current: 408A
- ➢Load Steps: 0.25ohms
- ➢ Load Elements: High Power wire wound and wire grids
- ➢ Forced air cooling
- ➢Load selection: Through heavy duty Contactors
- ➢ AC Auxiliary Supply230V
- ➢ IP 21Protection grade

Resistive Load Bank (109V/39A)

Salient Features:

- ➢ Specifically Designed and Suitable for field testing of batteries
- ➢Input Voltage: 109V
- ➢Load Current: 39A
- ➢Load Steps: 10A, 5A and 2A
- ➢ Forced Air Cooling
- ➢Total Load: ON/OFF MCB
- ➢Load selection: Through heavy duty toggle switches
- ➢ Load Elements: High Power wire wound, silicon coated resistive loads
- ➢ Measurement: Voltage and Current
- ➢ 230V AC Auxiliary Supply
- ➢ IP 21 Protection grade

Resistive Load Bank (48V/60A)

Salient Features:

- ➢Specifically Designed to discharge the Batteries to test the DG sets, Power grids and Inverters
- ➢Input Voltage: 48V – 50V DC
- ➢Load Current: 60A
- ➢Load Steps: 10A, 5A, 2A and 1A
- ➢ Forced Air Cooling
- ➢Load selection: Through heavy duty toggle switches
- ➢Load Elements:
  - ⇒ High Power wire wound, silicon coated resistive loads
- ➢ Measurement: Voltage and Current
- ➢To connect the load we provide Bus bar terminals +VE and –VE
- ➢ 230V AC Auxiliary Supply
- ➢ IP 21Protection grade

Resistive Load Bank (450V/10A)

Salient Features:

- ➢Specifically designed to test the Inverters
- ➢Input Voltage: 370V-450V DC
- ➢Load Current: 10A
- ➢Load Steps: 5A, 2A, 1A and 0.5A
- ➢ Forced Air Cooling
- ➢Load selection: Through heavy duty toggle switches
- ➢Load Elements:
  - ⇒ High Power wire wound, silicon coated resistive loads
- ➢ Measurement: Voltage and Current
- ➢ 230V AC Auxiliary Supply
- ➢To connect the load we provide bus bar terminals +VE and –VE
- ➢ IP 21Protection grade

Resistive Load Bank - 90V/45A

Salient Features:

- ➢Specifically designed and Suitable for field testing of batteries
- ➢Input Voltage: 60V – 90V DC
- ➢Load Current: 45A
- ➢Load Steps: 10A, 5A, 2A, 1A and 0.5A x 2
- ➢ Forced Air Cooling
- ➢Load selection: Through heavy duty toggle switches
- ➢Load Elements:
  - ⇒ High Power wire wound, silicon coated resistive loads
- ➢ Measurement: Voltage and Current
- ➢To connect the load we provide Bus bar terminals +VE and –VE
- ➢ 230V AC Auxiliary Supply
- ➢ IP 21Protection grade

Trolley Resistive Load

Salient Features:

- ➢ Designed to discharge the batteries used in field trails
- ➢Input Voltage: 48V
- ➢Load Current: 100A
- ➢User can easily operating through MCB
- ➢ Forced Air Cooling
- ➢Load selection: Through heavy duty toggle switches
- ➢Load Elements:
  - High Power wire wound, silicon coated resistive loads
- ➢ Measurement: Voltage and Current
- ➢To connect the load we provide Bus bar terminals +VE and –VE
- ➢ 230V AC Auxiliary Supply
- ➢ IP 21 Protection grade

Resistive Load Bank

Salient Features:

- ➢ Designed to discharge the batteries used in power plants
- ➢Input Voltage: 220V
- ➢Load Current: 360A
- ➢Load Steps: 50A, 20A, 10A and 5A
- ➢ Forced Air Cooling
- ➢Load selection: Through heavy duty toggle switches
- ➢Load Elements:
  - High Power wire wound, silicon coated resistive loads
- ➢ Measurement: Voltage and Current
- ➢To connect the load we provide Bus bar terminals +VE and –VE
- ➢ Auxiliary Supply: 230V AC
- ➢ Protection grade: IP 21

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