



Electrical WorkStation

Nvis 7089BD



All AC & DC Machines are optional

Nvis 7089BD Electrical Workstation offers an excellent approach to the teaching of Electrical Machines principles by introducing a unique modular designed control unit. It provides flexibility for the students to carry out experiments over AC and DC Machines using a large selection of Industry standard inbuilt components.

Electrical Machines is one of the most important area of study as it helps users to understand the operational characteristics and working of AC and DC Machines. Nvis 7089BD enables user to put their theory knowledge into practice with ease. There is an additional facility to make wireless connection on workstation with computer and to monitor real time electrical parameters using computer interfacing software. Users can also observe a real time graph between any of the AC and DC electrical parameters on computer.

Workstation comprises of separate AC and DC measuring sections equipped with all the necessary instruments such as digital meters, facility to connect AC and DC Supplies along with protection devices such as Fuses, MCB's, Supply Indicators, etc. There are multiple buses provided on the Workstation to make external connections while performing AC and DC Machines Experiments.

The design of the control unit ensures to get the highest quality practical experience to user. All the necessary protective measures are taken to avoid fault or danger.

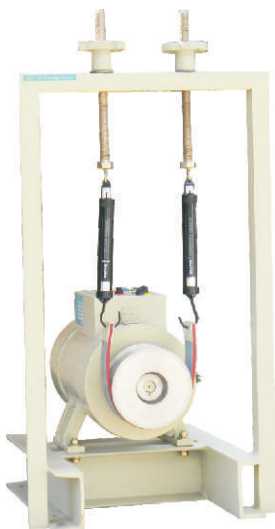
Note: All AC & DC Machines along with supporting accessories are available optionally



Features

- Compatible for Machines upto 3HP
- Equipped with Measurement Facilities for Experimentation on AC Machines, DC Machines and Transformers
- Separate AC and DC Measuring Sections
- Diagrammatic representation of AC and DC Machines for better understanding
- Rust Free Powder Coating Paint
- Standard BS terminals, patch cords for safety purpose
- Terminals provided to obtain Three Phase Fixed as well as Variable AC and DC Supplies with suitable protection
- High Quality Digital Tachometer for RPM Measurement which is also interfaced with DAQ (Data Acquisition System)
- Motors provided with standard Mechanical Loading Arrangement Facility
- Motors with "aluminum" casted Brake-Drum/Pulley with heat suppression facility
- Machines with Class "B" Insulation
- Flexible shaft coupling arrangement (Lovejoy) for Motor Generator (MG) Sets
- Machines provided with Heavy Duty Base/Channel with suitable interconnection
- Machines provided with suitable protections such as MCB's, Fuses, Motor Generator (MG) Sets provided with coupling protective cover
- Generator with Electrical Loading Arrangement Facility
- Durable good quality spring balance
- Designed by considering all the safety measures

Note: All AC & DC Machines along with supporting accessories are available optionally



Motor with Mechanical loading arrangement

Technical Specifications

Electrical Measuring Instruments

AC Ammeter (4 Nos.)

Type : Digital

Range : 10A

AC Voltmeter (4 Nos.)

Type : Digital

Range : 450Vrms

DC Ammeter (4 Nos.)

Type : Digital

Range : 20A

DC Voltmeter (4 Nos.)

Type : Digital

Range : 300V

Single Phase Wattmeter (2 Nos.)

Type : Digital

Range : 4kW

DC Supply (for excitation purpose only)

Voltage : 300V \pm 10%

Current : 2Amp

DC Power Supply

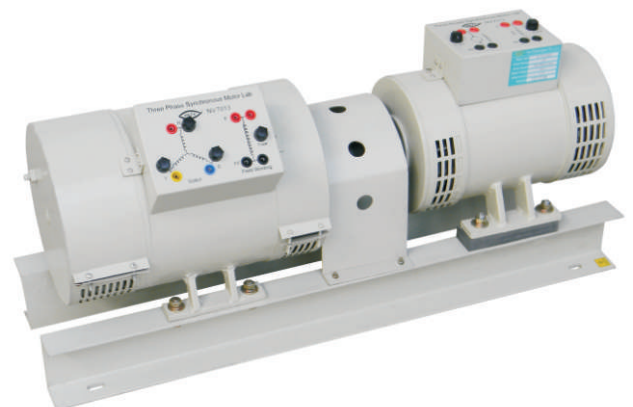
DC Output Voltage (Fixed) : 220V \pm 10%, 2A

DC Output Voltage (Variable) : 220V \pm 10%, 25A

Protective Devices

Three Phase MCB (TPN) : 2 Nos.

Interconnections : 4mm BS-10 Safety Terminals



Generator with Electrical loading arrangement

Experiments with Nvis 7089B

DC Machines (optional)

DC Shunt Wound Motor

- Study of Operational Working and Principle of DC Shunt Motor
- Study of running and reversing phenomenon of DC Shunt Motor
- Study of No Load Characteristic of DC Shunt Motor
- Study of Load Characteristic of DC Shunt Motor
- Study of speed control of DC Shunt Motor using armature voltage control and flux field control method
- Study and Determine the losses of DC Machine and correspondingly calculate the efficiency of DC Machine by Swinburn's Test Method

DC Series Wound Motor

- Study of Operational Working and Principle of DC Series Motor
- Study of running and reversing phenomenon of DC Series Motor
- Study of Load Characteristic of DC Series Motor
- Study of speed control of DC Series Motor using armature voltage control and flux field control methods

DC Compound Wound Motor

- Study of Operational Working and Principle of DC Compound Motor
- Study of running and reversing phenomenon of DC Compound Motor
- Study of Load Characteristic of DC Cumulative-Compound Wound Motor
- Study of Load Characteristic of DC Differential-Compound Wound Motor

DC Shunt Wound Generator

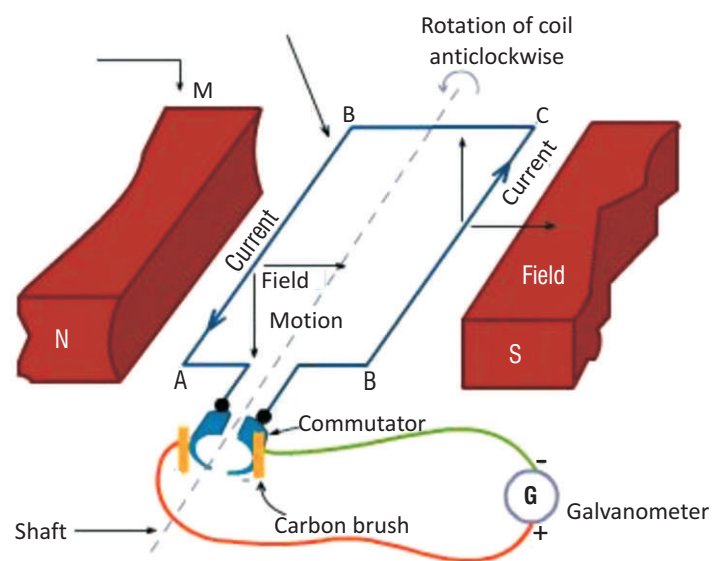
- Study of Operational Working and Principle of DC Shunt Generator
- Study and measurement of Open Circuit Characteristic of DC Shunt Generator
- Study and measurement of External Characteristic of DC Shunt Generator
- Study and measurement of Internal Characteristic of DC Shunt Generator

DC Series Wound Generator

- Study of Operational Working and Principle of DC Series Wound Generator
- Study and measurement of Open Circuit Characteristic of DC Series Generator
- Study and measurement of Load Characteristic of DC Series Generator
- Study and verify the Field Test of DC Series Machine and correspondingly determine the efficiency of DC Series Motor and Generator at any desire load

DC Compound Wound Generator

- Study of Operational Working and Principle of DC Compound Wound Generator
- Study and verify the Load Characteristics of Long Shunt Cumulatively Compound Generator
- Study and verify the Load Characteristics of Short Shunt Cumulatively Compound Generator
- Study and verify the Load Characteristics of Long Shunt Differentially Compound Generator
- Study and verify the Load Characteristics of Short Shunt Differentially Compound Generator



Working Principle of DC Generator



Electrical Workstation

AC Machines (optional)

Single Phase Capacitor Start Induction Motor

- Study of Operational Working and Principle of Single Phase Induction Motor
- Study of Running and Reversing of Single Phase Induction Motor
- Study of the No-Load Test in a Single Phase Induction Motor
- Study of the Blocked Rotor Test in a Single Phase Induction Motor
- Study of Load Test in a Single Phase Induction Motor

Three-phase Slip Ring Induction Motor

- Study of Operational Working and Principle of Three Phase Slip Ring Induction Motor
- Study of Running and Reversing of Three Phase Induction Motor
- Study of No Load Test in a Three Phase Induction Motor
- Study of Block Rotor Test in a Three Phase Induction Motor
- Measurement of Slip in a Three Phase Induction Motor
- Study of Load Test in a Three Phase Induction Motor

Three-phase Squirrel Cage Induction Motor

- Study of Operational Working and Principle of Three Phase Squirrel Cage Induction Motor
- Study of Running and Reversing of Three Phase Induction Motor
- Study of No Load Test performed in a Three Phase Induction Motor
- Study of Block Rotor Test performed in a Three Phase Induction Motor
- Measurement of Slip in a Three Phase Induction Motor
- Study of Speed-Torque characteristics in a Three Phase Induction Motor

Three Phase Salient Pole Synchronous Motor

- Study of Operational Working and Principle of Three Phase Synchronous Motor
- Study of V curve of Three Phase Synchronous Motor
- Study of Inverse V curve of the Three Phase Synchronous Motor

Three Phase Transformer:

- Study of Open Circuit test of Three-Phase Transformer
- Study of Short Circuit Test of Three-Phase Transformer
- Study of Three Phase Configurations in Three Phase Transformer

Three Phase Salient Pole Synchronous Generator

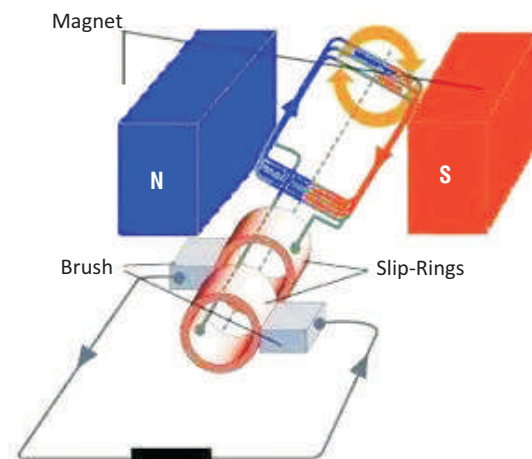
- Study of Operational Working Principle of Three Phase Synchronous Generator
- Study and Measurement of Positive Sequence Impedance of Three Phase Synchronous Generator
- Study and Measurement of Negative Sequence Impedance of Three Phase Synchronous Generator
- Study and Measurement of Zero Sequence Impedance of Three Phase Synchronous Generator
- Study of short circuit characteristics (SCC) of three Phase Synchronous Generator
- Study of open circuit characteristics (OCC) of three Phase Synchronous Generator
- Study and measure of voltage regulation of Three Phase Synchronous Generator using EMF Method
- Study and measure of voltage regulation of Three Phase Synchronous Generator by Direct Loading

Single Phase Transformer:

- Study of Single-Phase Isolation Transformer
- Study of Single-Phase Step Up Transformer
- Study of Single-Phase Step Down Transformer
- Study of Subtractive Polarity of Single Phase Transformer
- Study of Additive Polarity of Single-Phase Transformer
- Study of Open Circuit test of Single-Phase Transformer
- Study of Short Circuit Test of Single-Phase Transformer
- To determine the Efficiency and Voltage Regulation of a Single-Phase Transformer by direct loading at different loading condition.

****More than 70 Experiments can be performed in Nvis 7089BD**

****Also suitable for performing experiments on Basic Electrical Measurements**



Working Principle of AC Generator



Technical Specifications of Optional Machines

DC Motors (optional)

- Machine Specification**

Model No. : Nvis SHM05, Nvis SHM10, Nvis SHM20 & Nvis SHM30

Type : Shunt

Power Rating : Available with 1/2HP, 1HP, 2HP & 3HP

Voltage Rating : 220V DC \pm 5%

Rated Speed : 1500RPM \pm 7.5%

Insulation : Class 'B'

Loading arrangement : Mechanical

Spring Balance : 2Nos.(Tubular Type)

Brake Drum/Pulley : Aluminum casted with heat suppression facility

Machine Base : "C" Channel

Protection : Fuses (mounted at the terminal box of the Machines)

- Machine Specification**

Model No. : Nvis SM10, Nvis SM20 and Nvis SM30

Type : Series

Power Rating : Available with 1HP, 2HP & 3HP

Voltage Rating : 220V DC \pm 5%

Rated Speed : 1500RPM \pm 7.5%

Insulation : Class 'B'

Loading arrangement : Mechanical

Spring Balance : 2Nos. (Tubular Type)

Brake Drum/Pulley : Aluminum casted with heat suppression facility

Machine Base : "C" Channel

Protection : Fuses (mounted at the terminal box of the Machines)



DC Motors with standard Mechanical loading arrangement

- Machine Specification**

Model No. : Nvis CM10, Nvis CM20 & Nvis CM30

Type : Compound

Power Rating : Available with 1HP, 2HP & 3HP

Voltage Rating : 220V DC \pm 5%

Rated Speed : 1500RPM \pm 7.5%

Insulation : Class 'B'

Loading arrangement : Mechanical

Spring Balance : 2Nos.(Tubular Type)

Brake Drum/Pulley : Aluminum casted with heat suppression facility

Machine Base : "C" Channel

Protection : Fuses (mounted at the terminal box of the Machines)

Selection Guide

Machine Ratings	Shunt Motor	Series Motor	Compound Motor
0.5 HP	Nvis SHM05	--	--
1 HP	Nvis SHM10	Nvis SM10	Nvis CM10
2 HP	Nvis SHM20	--	Nvis CM20
3 HP	Nvis SHM30	--	Nvis CM30



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AC Motors (optional)

• Machine Specification

Model No.	: Nvis SPM10
Type	: Single phase Capacitor Start Induction Motor
Power Rating	: Available with 1HP
Voltage Rating	: 230V AC \pm 5%, 50Hz
Rated Speed	: 1440RPM \pm 7.5%
Insulation	: Class 'B'
Loading arrangement	: Mechanical
Spring Balance	: 2 Nos. (Tubular Type)
Brake Drum/Pulley	: Aluminum casted with heat suppression facility
Machine Base	: "C" Channel
Protection	: Fuses (mounted at the terminal box of the Machines)

• Machine Specification

Model No.	: Nvis SQM10, Nvis SQM20 & Nvis SQM30
Type	: Three Phase Squirrel Cage Induction Motor
Power Rating	: Available with 1HP, 2HP, and 3 HP
Voltage Rating	: 415V AC \pm 5%, 50Hz
Rated Speed	: 1440RPM \pm 7.5%
Insulation	: Class 'B'
Loading arrangement	: Mechanical
Spring Balance	: 2 Nos. (Tubular Type)
Brake Drum/Pulley	: Aluminum casted with heat suppression Facility
Machine Base	: "C" Channel
Protection	: Fuses (mounted at the terminal box of the Machines)



AC Motors with standard Mechanical loading arrangement



Transformer modules

• Machine Specification

Model No.	: Nvis SRM30
Type	: Three Phase Slip-Ring Induction Motor
Power Rating	: 3 HP
Voltage Rating	: 415V AC \pm 5%
Rated Speed	: 1440RPM \pm 7.5%
Insulation	: Class 'B'
Loading arrangement	: Mechanical
Spring Balance	: 2Nos.(Tubular Type)
Brake Drum/Pulley	: Aluminum casted with heat suppression facility
Machine Base	: "C" Channel
Protection	: Fuses (mounted at the terminal box of the Machines)

• Single Phase Transformer (optional)

Transformer Specifications

Mains Supply	: Single Phase, 230V AC \pm 10%, 50Hz
Rating	: 1kVA
Primary Voltage	: 0-125V, 0-125V
Secondary Voltage	: 0-125V, 0-125V
Rated Current	: 5A

• Three Phase Transformer (optional)

Transformer Specifications

Mains Supply	: 415V \pm 10%, 50Hz
Type	: Three Phase
Power Rating	: 1kVA
Primary Voltage	: 415V
Secondary Voltage	: 230V
Rated Current	: 4A

Selection Guide

Machine Ratings	Three Phase Capacitor Start Induction Motor	Three Phase Squirrel Cage Induction Motor	Three Phase Slip-Ring Induction Motor
1 HP	Nvis SPM10	Nvis SQM10	--
2 HP	--	Nvis SQM20	--
3HP	--	Nvis SQM30	Nvis SRM30

Selection Guide

Transformer Ratings	Single Phase Transformer	Three Phase Transformer
1 KVA	Nvis SPT10	Nvis TPT10



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DC Generators (optional)

• Machine Specification

Model No. : Nvis SHG05, Nvis SHG10, Nvis SHG20, and Nvis SHG30

Both the Machines are flexibly coupled and Mounted on a Single 'C' Channel Base

DC Machine (acts as prime mover)

Type : Shunt
Voltage Rating : 220V DC \pm 5%
Rated Speed : 1500RPM \pm 7.5%
Insulation : Class 'B'

DC Machine (acts as generator)

Type : Shunt
Power Rating : Available with 0.5 HP, 1HP, 2HP and 3HP
Rated Speed : 1500RPM \pm 7.5%
Insulation : Class 'B'
Shaft extension : Single Sided

Loading Arrangement : Electrical

Type of Coupling : Flexible "Lovejoy" Coupling

Machine Base : "C" Channel

Protection : Fuses (mounted at the terminal box of the Machines)

• Machine Specification

Model No. : Nvis SG10, Nvis SG20 and Nvis SG30

Both the Machines are flexibly coupled and Mounted on a Single 'C' Channel Base

DC Machine (acts as prime mover)

Type : Shunt
Voltage Rating : 220V DC \pm 5%
Rated Speed : 1500RPM \pm 7.5%
Insulation : Class 'B'

DC Machine (acts as generator)

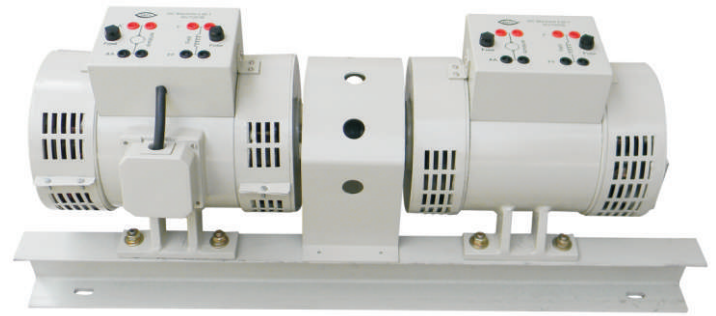
Type : Series
Power Rating : Available with 1HP, 2HP and 3HP
Rated Speed : 1500RPM \pm 7.5%
Insulation : Class 'B'
Shaft extension : Single Sided

Loading Arrangement : Electrical

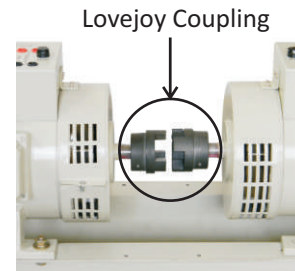
Type of Coupling : Flexible "Lovejoy" Coupling

Machine Base : "C" Channel

Protection : Fuses (mounted at the terminal box of the Machines)



DC Motors -Generator Set Coupled with Flexible Lovejoy Coupling



• Machine Specification

Model No. : Nvis CG10, Nvis CG20 and Nvis CG30

Both the Machines are flexibly coupled and Mounted on a Single 'C' Channel Base

DC Machine (acts as prime mover)

Type : Compound
Voltage Rating : 220V DC \pm 5%
Rated Speed : 1500RPM \pm 7.5%
Insulation : Class 'B'

DC Machine (acts as generator)

Type : Compound
Power Rating : Available with 1HP, 2HP and 3HP
Rated Speed : 1500RPM \pm 7.5%
Insulation : Class 'B'
Shaft extension : Single Sided

Loading Arrangement : Electrical

Type of Coupling : Flexible "Lovejoy" Coupling

Machine Base : "C" Channel

Protection : Fuses (mounted at the terminal box of the Machines)

Selection Guide

Machine Ratings	Shunt Generator	Series Generator	Compound Generator
0.5 HP	Nvis SHG05	--	--
1 HP	Nvis SHG10	Nvis SG10	Nvis CG10
2 HP	Nvis SHG20	Nvis SG20	Nvis CG20
3 HP	Nvis SHG30	Nvis SG30	Nvis CG30



AC Generators (optional)

- Machine Specification**

Model No. : Nvis TPM30
Both the Machines are flexibly coupled and Mounted on a Single 'C' Channel Base

Three Phase Synchronous Machine

Type : Salient Type
Power Rating : 3 HP
Voltage Rating : 415V AC \pm 10%, 50Hz
Configuration : "Delta" Connected
Rated Speed : 1500RPM \pm 5%
Insulation : Class 'B'
Excitation Voltage : 180Vdc \pm 10%

DC Machine (acts as generator)

Type : Shunt
Power Rating : 2HP
Rated Speed : 1500RPM \pm 7.5%
Insulation : Class 'B'

Loading Arrangement : Electrical
Type of Coupling : Flexible "Lovejoy" Coupling
Machine Base : "C" Channel
Protection : Fuses (mounted at the terminal box of the Machines)

- Machine Specification**

Model No. : Nvis TPG30
Both the Machines are flexibly coupled and Mounted on a Single 'C' Channel Base

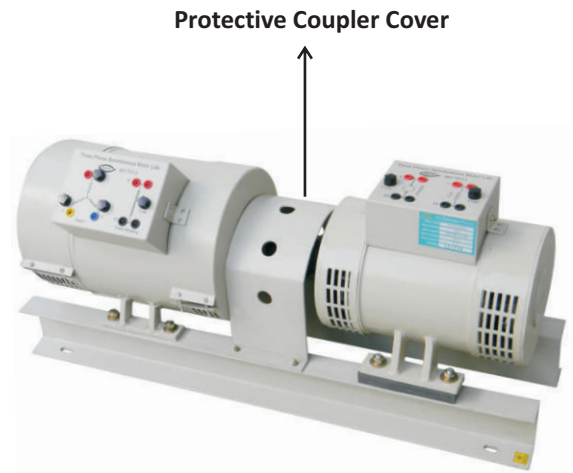
DC Machine (acts as prime mover)

Type : Shunt
Power Rating : 5HP
Voltage Rating : 220V DC \pm 5%
Rated Speed : 1500RPM \pm 7.5%
Insulation : Class 'B'

Three Phase Synchronous Machine (acts as generator)

Type : Salient Type
Configuration : "Delta" Connected
Power Rating : 3HP
Voltage Rating : 415V AC \pm 5%, 50Hz
Rated Speed : 1500RPM \pm 5%
Insulation : Class 'B'
Excitation Voltage : 180Vdc \pm 10%

Loading Arrangement : Electrical
Type of Coupling : Flexible "Lovejoy" Coupling
Machine Base : "C" Channel
Protection : Fuses (mounted at the terminal box of the Machines)



AC Motors -Generator Set Coupled with Flexible Lovejoy Coupling

- Machine Specification**

Model No. : Nvis TP30
Both the Machines are flexibly coupled and Mounted on a Single 'C' Channel Base

DC Machine

Type : Shunt
Power Rating : 2HP
Voltage Rating : 220V DC \pm 5%
Rated Speed : 1500RPM \pm 5%
Insulation : Class 'B'

Three Phase Synchronous Machine

Type : Salient Type
Configuration : "Star" Connected
Power Rating : 3HP
Voltage Rating : 415V AC \pm 5%, 50Hz
Rated Speed : 1500RPM \pm 7.5%
Insulation : Class 'B'
Excitation Voltage : 180Vdc \pm 10%

Loading Arrangement: Electrical
Type of Coupling : Flexible "Lovejoy" Coupling
Machine Base : "C" Channel
Protection : Fuses (mounted at the terminal box of the Machines)

Selection Guide

Machine Ratings	Three Phase Synchronous Motor	Three Phase Synchronous Machine	Three Phase Synchronous Generator
3 HP	Nvis TPM30	Nvis TP30	Nvis TPG30

** We also offer customized Solutions for different Motor and Motor-Generator Set.



Other Supporting Optional Items

- **Single and Three Phase Resistive Load**

Single Phase Operation

Voltage : 240V AC $\pm 10\%$, 50Hz
 Current : 15A
 Power : 3.5kW
 Loading steps : 15

Three Phase Star Operation

Voltage : 415V AC $\pm 10\%$, 50Hz
 Current : 5A (per Phase)
 Power : 3.5kW
 Loading steps : 5 (per Phase)

Three Phase Delta Operation

Voltage : 415V AC $\pm 10\%$, 50Hz
 Current : 15A (per Phase)
 Power : 10.5kW
 Loading steps : 5 (per Phase)

Switching Technique : Star/Delta Switch, 415V, 25A

Mains MCB : 16A (TPN)

- **Three Phase Inductive Load**

Three Phase Star Operation

Voltage : 415V AC $\pm 10\%$, 50Hz
 Current : 10A (per Phase)

- **Single and Three Phase Capacitive Load**

Single Phase Operation

Voltage : 230V AC $\pm 10\%$, 50Hz
 Current : 14A (Approx.)
 Loading steps : 30

Three Phase Star Operation

Voltage : 415V AC $\pm 10\%$, 50Hz
 Current : 4.6A (per Phase)
 Loading steps : 10 (per Phase)

Three Phase Delta Operation

Voltage : 415V AC $\pm 10\%$, 50Hz
 Current : 13A (per Phase)
 Loading steps : 10 (per Phase)

Switching Technique : Star/Delta Switch, 415V, 25A

Mains MCB : 16A (TPN)
10A (One Pole) 30 Nos.



Single and Three Phase Resistive Load



Three Phase Inductive Load



Single and Three Phase Capacitive Load



Electrical WorkStation

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- **Thyristorized DC Regulated Power Supply**

- Input Mains : 415VAC \pm 10%, 50Hz
- Rated Output Voltage : 220VDC (Fixed) \pm 5%,
- Rated Output Current : 50ADC
- Regulation : Less than 3% at full load condition.

Measuring Instruments

- AC Voltmeter : 1 No. (with voltage selector switch)
- DC Ammeter : 1 No.
- DC Voltmeter : 1 No.

Protection with its indicators

- Overload Protection
- Short Circuit Protection
- Phase Sequence Indicator



Thyristorized DC Regulated Power Supply

- **Single Phase Variac**

- Type : Close Type
- Operating Rating : 230V AC \pm 10%, 50Hz
- Output Voltage : 0 - 270V AC \pm 10%, 50Hz
- Current : 10A (Also available in different Current Ratings)

- **Three Phase Variac**

- Type : Close Type
- Operating Rating : 415V AC \pm 10%, 50Hz
- Output Voltage : 0 - 470V AC \pm 10%, 50Hz
- Current : 10A (Also available in different Current Ratings)



Three Phase Variac



Single Phase Variac

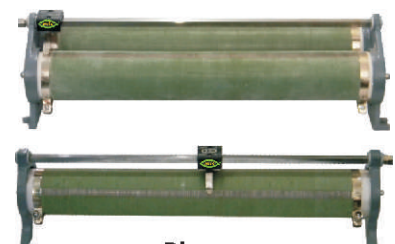
- **Rheostats**
- **AC Starters**
- **DC Starters**



DC Starters



AC Starters



Rheostats



Electrical WorkStation

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Nvis Electrical Data Acquisition System is a versatile solution that allows high quality measurements for all Electrical Parameters and is suited for all types of Engineering Laboratories. Electrical Data Acquisition System provides wireless measurements of Single and Three Phase AC as well as DC Parameters measurements with high accuracy.

Nvis Electrical Data Acquisition System includes three inputs each for Voltage and Current, two inputs each for DC Voltage and DC Current to measure an entire Three Phase Parameters and DC Parameters such as AC and DC Voltage, AC and DC Current, Active Power, Reactive Power, Apparent Power, Power Factor, Frequency, etc. along with Over Load Protection Indicators and buzzer at the same time. All these parameters will be displayed on the PC Software screen provided with the product.

Nvis Electrical Data Acquisition System is compatible for three phase/three wire and three phase/four wire configurations. User can also plot a real time graph between any of these parameters on computer through the facility of wireless connectivity.

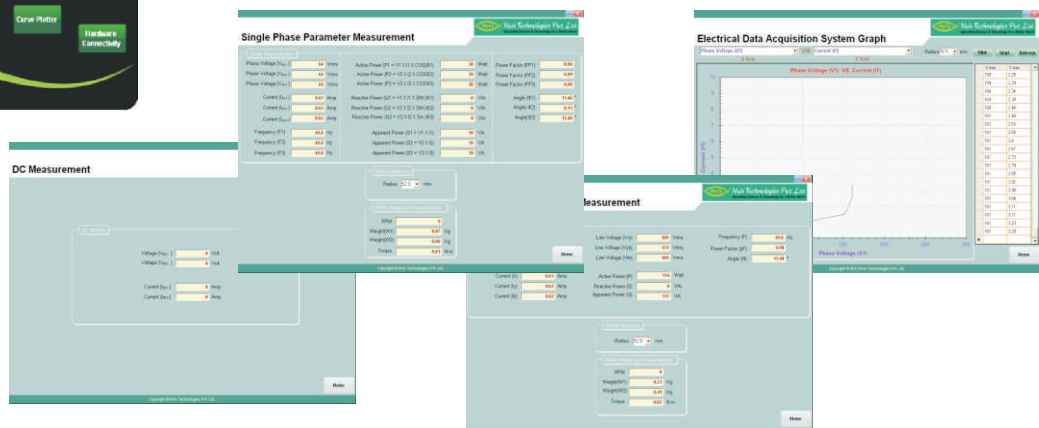
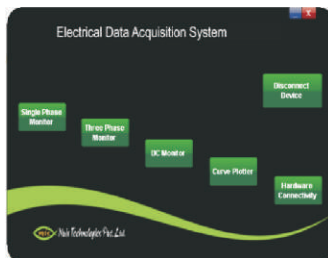
Features

- Electrical Data Acquisition System is compatible for Motors upto 3HP
- Real Time monitoring of electrical parameters using computer Interface Software
- Curve can be plotted between any of the two electrical parameters along with its calculation done on computer
- Facility to store plotting curve reading for further reference
- Microcontroller based accurate and reliable design
- Single Phase Parameters Measurement

- Three Phase Parameters Measurement
 - Line to Neutral Voltage
 - Line to Line Voltage
 - Line Current
 - Active Power
 - Reactive Power
 - Apparent Power
 - Frequency
 - Power Factor
- CT is used as Current Transducer
- Fully isolated measurement

Corresponding Active Power, Reactive Power, Apparent Power, Frequency, Power Factor and Angle

- 2 DC voltage Inputs
- 2 DC current Inputs



Real Time monitoring of electrical parameters using computer interface software



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Technical Specifications

Communication Frequency : 2.4GHz

RF Power : 1mWatt

Range : 10Mtr.

Measurement Ranges

AC Voltage Range : 25-450Vrms, accuracy $\pm 5\%$

AC Current Range : 0.20-10Amp, accuracy $\pm 5\%$

DC Voltage Range : 25-300Vrms, accuracy $\pm 5\%$

DC Current Range : 0.20-15Amp, accuracy $\pm 5\%$

Frequency : 45-55Hz, accuracy $\pm 3\%$

Active Power : 50-3000Watts, accuracy $\pm 5\%$

Reactive Power : 50-3000Watts, accuracy $\pm 5\%$

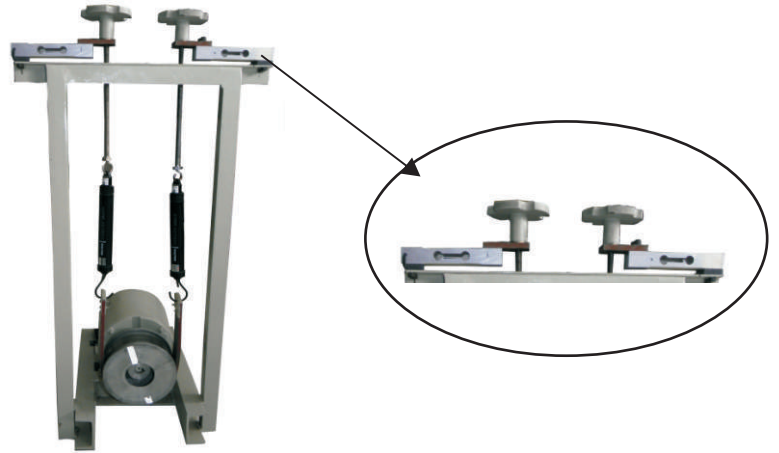
Apparent Power : 50-3000Watts, accuracy $\pm 5\%$

Power Factor : 0.30 to 0.99 both Lead and Lag, accuracy $\pm 3^\circ$ Electrical

Speed : Up to 2500 RPM, accuracy $\pm 5\%$

Torque : 0 - 25 N-m, accuracy $\pm 5\%$

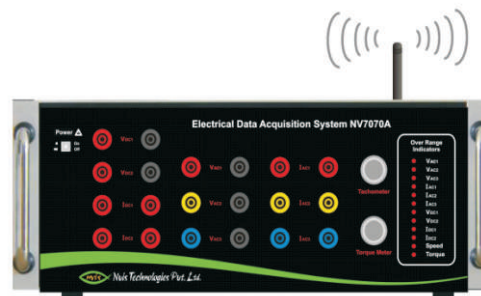
Auxiliary Supply : 230V AC $\pm 10\%$, 50Hz



Torque Measurement Unit



Wireless connectivity with computer



Speed Measurement Device



Designed & Manufactured in India by

Nvis Technologies Pvt. Ltd.

141-A, Electronic Complex, Pardesipura, Indore-452010, India.

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