

Your Trusted Partner in Neuro & Medical Diagnostics
An ISO 9001:2015 Certified Company | Supplying Only CE & CDSCO Approved Equipment
25+ Years of Expertise in Cardiology & Medical Diagnostics
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Email: rsenterprises227@gmail.com | Call/WhatsApp: +91-9832362661 / +91-9474878436
Website: www.rsenterprisesindia.co.in

Date:

To,

[Client Name]

[Designation / Department]

[Institution Name]

[Address]

Subject: Quotation for SINGLE CHANNEL Digital Student Physiograph – Model MEDICAID

Dear Sir/Madam,

Greetings from R.S. Enterprises!

We are pleased to submit our quotation for the **Digital Student Physiograph – Model MEDICAID**, a versatile indigenous system designed for teaching experimental physiology & pharmacology on humans and animals. It integrates multiple couplers and transducers in a portable, user-friendly design with USB connectivity and TFT display.

Please find below the product features, technical specifications, standard accessories, pricing, and commercial terms.

Warm regards,
Shashee Kumar
Founder & Director
R.S. Enterprises

SINGLE CHANNEL Digital Student Physiograph – Model MEDICAID

KEY Features

Price Quotation

Description	Quantity	Unit Price (INR)	Price Before GST	GST @12%	Total Amount (INR)
Digital Student Physiograph – Model MEDICAID with Accessories	1	₹85,000	₹85,000	₹10,200	₹95,200

- Indigenous digital physiograph with time and event channel
- Computer interface via USB
- Compact, lightweight, and beginner-friendly operation
- Standalone unit with coloured TFT display for online and offline viewing
- Six couplers fitted in a single portable unit
- Supports eight transducers: Force, Pressure, Volume, Respiration, Temperature, Pulse, Respiration Belt, Isotonic
- Data storage and review on TFT display
- Software for review and printing
- Ideal for teaching Experimental Physiology & Pharmacology (human and animal studies)

Technical Specifications

Parameter	Specification
No. of Channels	1 / 2 / 3
Display & Size	Coloured TFT – 15.5 × 9.5 cm
Channel Width	80 mm
Couplers	Biopotential, ECG, Straingage, Pulse-Respiration, Temperature, Isotonic
Recording Capability	ECG, EEG, EMG, ENG, muscle force, BP, volume changes, pulse, respiration, temperature
Accessories	Gold plated electrodes, junction boxes, limb & chest electrodes, jelly, EEG-EMG electrodes with paste
Interface	USB connection to PC
Software	Review & printing software included
Application	Human & animal experimental studies

Standard Accessories

Accessory	Quantity
Gold Plated Electrodes	1 Set
Biopotential Junction Box	1 No.
Limb Electrodes	4 Nos.
Chest Electrodes	6 Nos.
EEG-EMG Electrodes & Paste	1 Set
Jelly Bottle	1 No.

Bank Details for Payment

Bank Name	Account No.	IFSC Code	Branch/Place
HDFC Bank	01512020001351	HDFC0000151	Siliguri
State Bank of India	41097222798	SBIN0000184	Siliguri

Terms & Conditions

- Quotation Validity: 30 Days
- Delivery Schedule: Within 2–4 Weeks from confirmed order
- Warranty: 1 Year against manufacturing defects
- Delivery: F.O.R. Destination
- Dispatch Mode: By courier
- Custom Duty: To be borne by purchaser
- Payment Terms: 100% advance via RTGS/Cheque/DD,

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Website: www.rsenterprisesindia.co.in

To,
[Client Name]
[Designation / Department]
[Institution Name]
[Address]
Subject: Quotation for THREE CHANNEL Digital Student Physiograph – Model MEDICAID

Dear Sir/Madam,
Greetings from R.S. Enterprises!

We are pleased to submit our quotation for the **Digital Student Physiograph – Model MEDICAID**, a versatile indigenous system designed for teaching experimental physiology & pharmacology on humans and animals. It integrates multiple couplers and transducers in a portable, user-friendly design with USB connectivity and TFT display.

Please find below the product features, technical specifications, standard accessories, pricing, and commercial terms.

Warm regards,
Shashee Kumar
Founder & Director
R.S. Enterprises

THREE CHANNEL Digital Student Physiograph – Model MEDICAID

Two channel (P-202) and three channel (P-203)

Key Features

Price Quotation

Description	Quantity	Unit Price (INR)	Price Before GST	GST @12%	Total Amount (INR)
Digital Student Physiograph – Model (P-203) MEDICAID with Accessories	1	₹125,000	₹125,000	₹15,000	14,0000

- Indigenous digital physiograph with time and event channel
- Computer interface via USB
- Compact, lightweight, and beginner-friendly operation
- Standalone unit with coloured TFT display for online and offline viewing
- Six couplers fitted in a single portable unit
- Supports eight transducers: Force, Pressure, Volume, Respiration, Temperature, Pulse, Respiration Belt, Isotonic
- Data storage and review on TFT display
- Software for review and printing
- Ideal for teaching Experimental Physiology & Pharmacology (human and animal studies)

Technical Specifications

Parameter	Specification
No. of Channels	1 / 2 / 3
Display & Size	Coloured TFT – 15.5 × 9.5 cm
Channel Width	80 mm
Couplers	Biopotential, ECG, Straingage, Pulse-Respiration, Temperature, Isotonic
Recording Capability	ECG, EEG, EMG, ENG, muscle force, BP, volume changes, pulse, respiration, temperature
Accessories	Gold plated electrodes, junction boxes, limb & chest electrodes, jelly, EEG-EMG electrodes with paste
Interface	USB connection to PC
Software	Review & printing software included
Application	Human & animal experimental studies



Accessories

Accessory	Quantity
Gold Plated Electrodes	1 Set
Biopotential Junction Box	1 No.
Limb Electrodes	4 Nos.
Chest Electrodes	6 Nos.
EEG-EMG Electrodes & Paste	1 Set
Jelly Bottle	1 No.

Bank Details for Payment

Bank Name	Account No.	IFSC Code	Branch/Place
HDFC Bank	01512020001351	HDFC0000151	Siliguri
State Bank of India	41097222798	SBIN0000184	Siliguri

Terms & Conditions

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[Institution Name]
[Address]

Subject: Quotation for MEDICAID Digital Polygraph System

Dear Sir/Madam,

Greetings from R.S. Enterprises!

We are pleased to submit our quotation for the supply of the MEDICAID Digital Polygraph System, a versatile four-channel system designed for teaching experimental physiology, pharmacology, engineering, and research purposes. Developed by experts with 35 years of biomedical instrumentation experience, this system supports both human and animal experiments, providing real-time data acquisition, storage, and analysis.

Below are the product features, lessons, specifications, accessories, pricing, and commercial terms.

Warm regards,
Shashee Kumar
Founder & Director
R.S. Enterprises

Price

Quotation

Description	Quantity	Unit Price (INR)	GST @12%	Total Amount (INR)
MEDICAID Digital Polygraph System with Accessories	1	₹2,50,000	₹30,000	₹2,80,000

Key Features

Features
RR analysis
Merging of Waves
Integration of Waves
Four channel Lie-Detector
Patient Database information
Real-time data storage & review facilities
Experiments on Animal & Human Subjects
Time & Voltage Marking on individual channel
For Teaching Experimental Physiology, Pharmacology, Engineering & Research
Developed by technocrats with 35 years experience
Experiments: Isometric Force, Phono Cardiogram, Volumetric Changes, Isotonic Fine Movement, Respiration & Temperature, Invasive & Noninvasive BP, ECG, EEG, EMG, ENG, GSR, Plethysmograph (Pulse, Heart Rate etc.)
Pulse, GSR, Resp. & EEG
Pulse, GSR & Resp. Superimposition of Waves

📖 Lessons / Practical Experiments

Lessons / Experiments
EEG – Record & view EEG; Alpha, Beta, Delta, Theta filters
EMG – Raw & integrated EMG; compare muscle groups; isometric & isotonic studies
ECG – Multi-lead recording; PQRS measurement; BPM calculation
ENG – Eye movement recording; Saccade & Gaze tests; XY tracing
Pulse & Plethysmography – Fingertip pulse; ECG-Pulse relationship
Recording Movement of Isolated Intestine
Respiration – Chest expansion; airflow recording
Polygraph – Respiration, GSR, Pulse; lie detection; 4-parameter recording
Reaction Time – Auditory click; pushbutton response
Biofeedback – BPM & GSR control XY dot position

📖 Standard Accessories

Accessories
EEG electrodes with paste
EMG/ECG surface electrodes & cables
Chest & limb electrodes for ECG
Respiration belt or transducer
Plethysmography finger sensor
BP transducer set (invasive & non-invasive)
Temperature probe
USB/PC connectivity cable & analysis software

Bank Details

Bank Name	Account No.	IFSC Code	Branch/Place
HDFC Bank	01512020001351	HDFC0000151	Siliguri
State Bank of India	41097222798	SBIN0000184	Siliguri

Terms & Conditions

- Quotation Validity: 30 Days
- Delivery Schedule: Within 2-4 Weeks from confirmed order
- Warranty: 1 Year against manufacturing defects
- Delivery: F.O.R. Destination
- Dispatch Mode: By courier
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Website: www.rsenterprisesindia.co.in

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[Designation / Department]
[Institution Name]
[Address]

Subject: Quotation for MEDICAID PhysioLab PL-2005 Digital Polygraph System

Dear Sir/Madam,

Greetings from R.S. Enterprises!

We are pleased to submit our quotation for the supply of the MEDICAID PhysioLab PL-2005 Digital Polygraph System, a state-of-the-art system for experimental physiology, pharmacology, and biomedical research. This system is suitable for both human and animal studies, providing comprehensive multi-parameter acquisition, real-time analysis, and storage.

Below are the product features, lessons, applications, specifications, accessories, pricing, and commercial terms.

Warm regards,
Shashee Kumar
Founder & Director
R.S. Enterprises

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Price

Quotation

Description	Quantity	Unit Price (INR)	GST @18%	Total Amount (INR)
MEDICAID PhysioLab PL- 2005 Digital Polygraph System with Accessories	1	₹7,50,000	₹90,000	840000

Key Features

Features
Subject's Database Information
Frequency, Time & Voltage Marking on Individual Channel
Data Archiving on CD
User-definable Event Marking
Real-time Data Acquisition & Analysis System
Developed by Qualified Technocrats with 30+ Years of Experience
Designed for Human & Animal Studies in Physiology & Pharmacology Labs
Complete Student Physiology Lab System
Sixteen Channel Recording
RR Analysis
Merging of Waves
Integration of Waves

Lessons / Practical Experiments

Lessons / Experiments
EEG – Record & view EEG; Alpha, Beta, Delta, Theta filters

EMG – Raw & integrated EMG; compare muscle groups; isometric & isotonic studies
ECG – Multi-lead recording; PQRST measurement; BPM calculation
ENG – Eye movement recording; Saccade & Gaze tests; XY tracing
HRV Analysis – Heart rate variability measurements
EOG – Eye movement graphing
Respiration – Chest expansion; airflow recording
Pulse Plethysmography – Fingertip pulse; ECG-Pulse relationship
GSR – Skin resistance recording
Pulmonary Function / Spirometry – Lung capacity and airflow measurement
Nerve Conduction Studies – Motor & sensory nerve conduction testing
Evoked Potentials – Auditory, visual, somatosensory EP recording
Electrogastrogram – Stomach electrical activity
Exercise Physiology & Biomechanics – Physical stress testing
Habituation – GSR & heart rate change with repeated stimulus
Phonocardiogram – Record heart sounds & compare with ECG/Pulse
Temperature Measurement – Body temperature recording

Applications

Applications
Teaching Experimental Physiology to Medical, Dental, Pharmacy, Nursing, and Allied Health Students
Pharmacology Experiments in Research & Training Institutes
Human & Animal Physiology Research Projects
Neurophysiology Studies (EEG, EMG, Evoked Potentials)
Cardiovascular Studies (ECG, HRV, Phonocardiogram, BP, Pulse)
Respiratory Physiology (Spirometry, Respiration, Plethysmography)
Exercise Physiology & Sports Science Labs

Psychophysiology Studies (Reaction Time, GSR, Polygraph)
Biomedical Engineering and Biosignal Analysis Training
Clinical Demonstrations & Skill Labs in Medical Colleges
Corporate and Institutional Research Labs
Lie Detection and Truth Verification Studies

Bank Details

Bank Name	Account No.	IFSC Code	Branch/Place
HDFC Bank	01512020001351	HDFC0000151	Siliguri
State Bank of India	41097222798	SBIN0000184	Siliguri

Terms & Conditions

- Quotation Validity: 30 Days
- Delivery Schedule: Within 2–4 Weeks from confirmed order
- Warranty: 1 Year against manufacturing defects
- Delivery: F.O.R. Destination
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- Payment Terms: 100% advance via RTGS/Cheque/DD,

Physiograph & Physiolab Comparison

Comparison of Single Channel, 3 Channel, and Physiolab (Multichannel Advanced System)

Feature	Single Channel Physiograph	3 Channel Physiograph	Physiolab (Multichannel)
Channels	1	3	8–16 (expandable)
Recording System	Thermal / Ink	Thermal / Ink	Digital, PC-based
Display	LCD	LCD	High-resolution PC interface
Parameters	Show one parameter at a time	Show three parameter at a time	Show all parameter at a time ECG, EEG, EMG, Respiration, BP, etc.
Data Storage	Memory card	Memory card	PC storage & export
Graph Speed Control	Manual	Manual	Software-controlled
Calibration	Manual	Manual	Auto digital calibration
Portability	Compact	Medium	Desktop PC-based
Suitable For	Basic physiology labs	Medical colleges, teaching	Advanced research & clinical
Power Supply	AC mains	AC mains	AC + USB/PC
Accessories	Electrodes, with all coupler and transducer	Electrodes, with all coupler and transducer	All coupler inbuilt with all transducer Electrodes, sensors, software
Reporting	Can connect with pc	Can connect with pc	Digital report generation

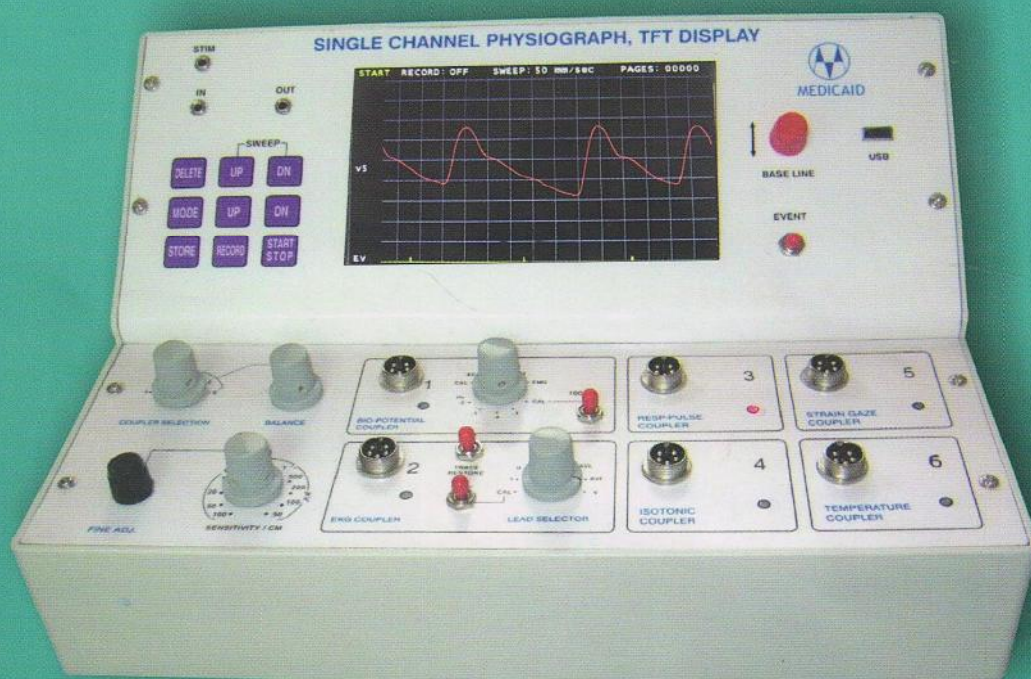
DIGITAL STUDENT PHYSIOGRAPH



MEDICAID
An ISO 13485 : 2003 Company

High resolution coloured TFT display

MEDICAID STUDENT PHYSIOGRAPH is used for the recording of Bio-Electrical Potentials e.g. EEG, ECG, ENG, EMG, Pulse, Respiration, Blood Pressure etc. It is made of light metal for compactness and lightness. Its performance is outstanding due to adoption of integrated circuits.



Features

- Indigenous Digital Physiograph with time and Event channel.
- Compact light weight and easy to operate by a beginner.
- Stand alone unit having coloured TFT display for displaying online and offline recording data.
- System have Six couplers fitted in a Single unit easy to carry.
- System have Eight transducers (Force, Pressure, Volume, Respiration, Temperature, Pulse, Respiration Belt and Isotonic).
- Facility to store recording data and review the same on TFT.
- Interface to the computer-Through USB.
- System provided with software to review and printing the recorded data from PC.

For Teaching Experimental Physiology & Pharmacology on Human & Animals



DIGITAL STUDENT PHYSIOGRAPH

"MEDICAID" STUDENT PHYSIOGRAPH comprises of:

• **Couplers** • **Transducers** • **Accessories**

COUPLERS

To record different parameters the standard range of couplers is as follows :

BIOPOTENTIAL COUPLER

For recording all AC phenomena like ECG, EEG, EMG, ENG etc. It is supplied with 3 pin junction box, EEG-EMG electrodes and paste etc.

EKG COUPLER

For recording clinical ECG. It is supplied with 5 pin junction box, Limb & Chest Electrodes and Jelly.

STRAINAGE COUPLER

For recording from all Medicaid straining transducers and used to record muscle activity force, effect of drug on heart activity, Blood pressure from cannulated animals, volume changes etc.

PULSE-RESPIRATION COUPLER

For recording pulse or respiratory activity using Medicaid pulse, Respiration Belt or Respiration transducer.

TEMPERATURE COUPLER

For recording internal or surface temperature through Medicaid temperature Transducer.

ISOTONIC COUPLER

Using it alongwith Medicaid Isotonic Fine Movement transducer one can perform experiment on Isolated Uterus and Isolated Intestine.

TRANSDUCERS

A Transducer is a device which converts one form of physical energy to electrical energy or vice versa. To record parameters which are not available in electrical form e.g. PULSE, RESPIRATION, TEMPERATURE, PHONO CARDIOGRAMME etc., one needs to use appropriate transducer.



Force Transducer



Volume Transducer



Pressure Transducer



Temperature Transducer



Respiration Belt



Pulse Transducer



Respiration Transducer



Phono Cardiogram Transducer



Bio-Potential Junction Box



Gold Plated Electrodes

Models

Single Channel Physiograph	DP-201
Two Channel Physiograph	DP-202
Three Channel Physiograph	DP-203

Technical Specifications

No. of Channels	:	1, 2, & 3
Display & size	:	Coloured TFT : 15.5 x 9.5 cm
Channel width	:	80mm
A/D Conversion	:	16-bit A/D
Sensitivity	:	50, 100, 200, 500 uv/cm and 1, 2, 5, 10, 20, 50, 100 mv/cm
Sweep Speed	:	0.5, .1, .2, .5, 1, 2, 5, 10, 20, 50, 100 div/sec.
Data Sampling Frequency	:	> 256 Hz
Notch Filter	:	50-60 Hz
Input Impedence	:	> 1 Mega Ohm
CMRR	:	> 80-85 db

Standard Accessories

ECG electrodes	1 set of 4 nos.
EEG electrode	1 no.
Bio-Potential Junction Box	1 no.
EMG disc electrodes	1 set of 10 nos.
Ground electrode	1 no.
EEG Paste	1 jar
ECG Jelly	1 bottle
Operating Manual	1 no.

MEDICAID SYSTEMS

An ISO 13485 : 2003 Company

389, Industrial Area, Phase-II,

Chandigarh-160 002 (India)

Tele : +91 172 2652706 Fax : +91 172-2653608

E-mail : info@medicaid.co.in

DIGITAL STUDENT PHYSIOGRAPH



"MEDICAID" STUDENT PHYSIOGRAPH comprises of:

- **Couplers**
- **Transducers**
- **Accessories**

COUPLERS

To record different parameters the standard range of couplers is as follows :

BIOPOTENTIAL COUPLER

For recording all AC phenomena like ECG, EEG, EMG, ENG etc. It is supplied with 3 pin junction box, ECG-EMG electrodes and paste etc.

ECG COUPLER

For recording clinical ECG, it is supplied with 5 pin junction box, Limb & Chest Electrodes and jelly.

STRAINAGE COUPLER

For recording from all Medicaid strange transducers and used to record muscle activity force, effect of drug on heart activity, Blood pressure from cannulated animals, volume changes etc.

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TEMPERATURE COUPLER

For recording internal or surface temperature through Medicaid temperature Transducer.

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Using it alongwith Medicaid Isotonic Fine Movement transducer one can perform experiment on Isolated Uterus and Isolated Intestine.

TRANSDUCERS

A Transducer is a device which converts one form of physical energy to electrical energy or vice versa. To record parameters which are not available in electrical form e.g. PULSE, RESPIRATION, TEMPERATURE, PHONO CARDIOGRAMME etc., one needs to use appropriate transducer.



Models

Single Channel Physiograph	DP-201
Two Channel Physiograph	DP-202
Three Channel Physiograph	DP-203

Technical Specifications

No. of Channels	: 1, 2 & 3
Display & size	: Coloured TFT : 15.5 x 9.5 cm
Channel width	: 80mm
A/D Conversion	: 16-bit A/D
Sensitivity	: 50, 100, 200, 500 uV/cm and 1.2, 5, 10, 20, 50, 100 mV/cm
Sweep Speed	: 0.5, 1, 2, 5, 10, 20, 50, 100 div/sec
Data Sampling Frequency	: > 256 Hz
Notch Filter	: 50-60 Hz
Input Impedance	: > 1 Mega Ohm
CMRR	: > 80-95 db

Standard Accessories

ECG electrodes	1 set of 4 nos.
EEG electrode	10 nos.
Bio-Potential Junction Box	1 no.
EMG disc electrodes	1 set of 10 nos.
Ground electrode	1 no.
ECG Paste	1 jar
ECG Jelly	1 bottle
Operating Manual	1 no.

MEDICAID SYSTEMS

An ISO 13485 : 2016 Company
Plot No. 667, JLP, Industrial Park,
Sector 82, Mohali-140306 (Punjab)
Tele : +91 172 2971380, Mob : 88724-45111
E-mail : info@medicaid.co.in
Website : www.medicaid.co.in

Medicaid's continuing product improvement programme makes specification subject to change without notice.

DIGITAL STUDENT PHYSIOGRAPH



MEDICAID
An ISO 13485 : 2016 Company

High resolution coloured TFT display

MEDICAID STUDENT PHYSIOGRAPH is used for the recording of Bio-Electrical Potentials e.g. ECG, EEG, ENG, EMG, Pulse, Respiration, Blood Pressure etc. It is made of light metal for compactness and lightness. Its performance is outstanding due to adoption of integrated circuits.



Features

- Indispensable Digital Physiograph with time and event channel.
- Compact light weight and easy to operate by a beginner.
- Stand alone unit having coloured TFT display for displaying online and offline recording data.
- System have six couplers fitted in a single unit easy to carry.
- System have Eight transducers (Force, Pressure, Volume, Respiration, Temperature, Pulse, Respiration Belt and Isotonic).
- Facility to store recording data and review the same on TFT.
- Interface to the computer-Through USB.
- System provided with software to review and printing the recorded data from PC.
- Coupler Selection, Channels Sensitivity & EKG Lead Selection is on OLED display.

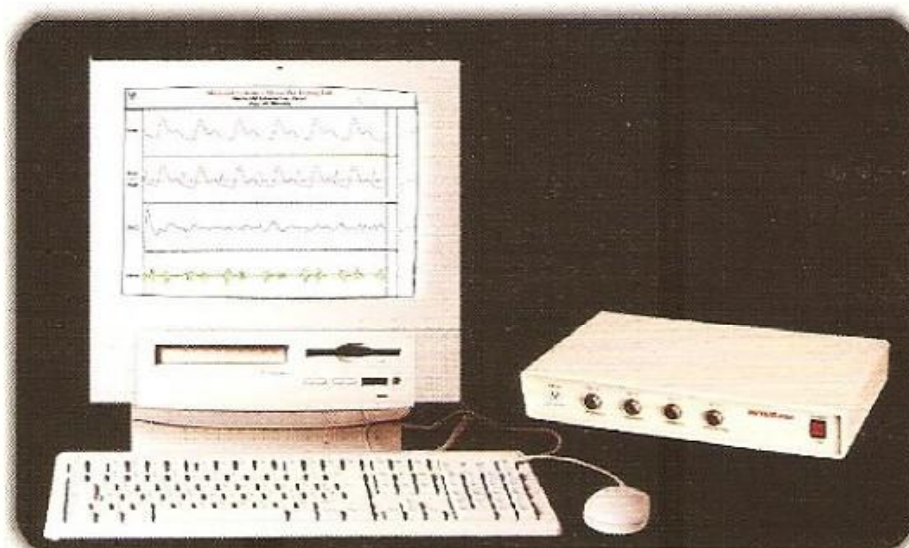
For Teaching Experimental Physiology & Pharmacology on Human & Animals



PhysioPac^{PC - 2004}

a Computerised Student Physiology Lab System

developed by highly qualified technocrats having a rich experience of 25 years in Bio-medical instrumentation. Already manufacturing EEG, EMG, ECG, ECT, ENG, BIO-FEEDBACK "BIOTRAINERS" POLYGRAPH, STUDENT PHSIOGRAPH and many more. Having more than 5000 satisfied users in the field of Neurology, Psychology, Psychiatry, Cardiology, Physiology and Pharmacology.

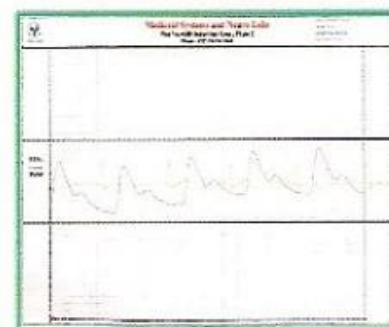
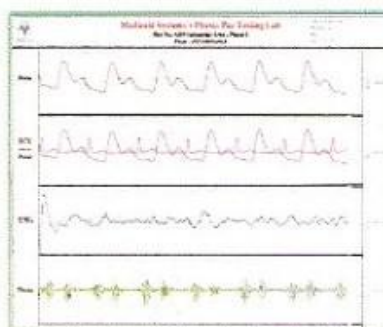
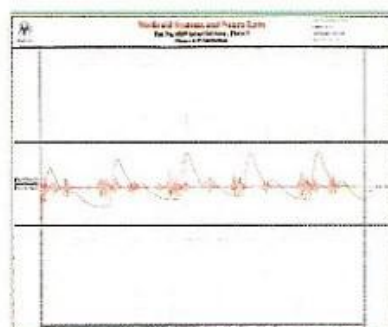


Features

- R R analysis
- Merging of Waves
- Integration of Waves
- Patient Database information.
- Four Channel Modern Polygraph
- Real Time data storage & review facilities
- Experiments on Animal & Human Subjects
- Frequency, Time & Voltage Marking on individual channel

Experiments

- Isometric Force
- Phono Cardiogram
- Volumetric Changes
- Isotonic Fine Movement
- Respiration & Temperature
- Invasive & Non invasive BP
- ECG, EEG, EMG, ENG, GSR etc.
- Plethysomograph (Pulse, Heart Rate etc.)



For Teaching Experimental Physiology, Pharmacology & Research

LESSONS

ELECTROENCEPHALOGRAPH (EEG)

Record and View EEG from any location. See how EEG signal changes in Relaxation, Attention and use filters to examine frequency band (Alpha, Beta, Delta & Theta).

MUSCLE CONTRACTION (EMG)

Record & View the EMG Signal with surface electrodes from different location. See raw and with integrated real time EMG data. Simultaneously Compare the EMG signal from one muscle group to another. Study isometric and Isotonic muscle loading tasks.

ELECTROCARDIOGRAM (ECG)

Record & View ECG leads I,II,III, aVR, aVL, aVF & Chest. Study Einthoven Law. Perform measurements of P,Q,R,S and T Waves. Measure amplitude and timing of waves and calculate BPM. Study realtime ECG and BPM.

ENG

Record & view vertical and horizontal eye movement. Perform Saccade and Gaze Test. See a graph for vertical motions and for horizontal motions. A complete X/Y tracing of where subject looked during the test period is recorded.

PULSE & PLETHYSMOGRAPHY

Pulse is measured at the fingertip non-invasively sensing variations in blood density. Examine the relationship between ECG and PULSE. Study mechanical action of the heart.

RESPIRATION

Record and view Respiratory efforts and relative air flow Respiration is measured by recording chest expansion and contraction. Air flow is indirectly recorded by using a thermister placed next to the nose. Examine the time relationship between chest motion and air flow.

POLYGRAPH

Record and view the standard Polygraph measurements e.g. Respiration, Galvanic Skin Response and Pulse rate. The timing of each question is recorded by a marker on the graph. Study Physiological Changes on telling (or not telling) the truth. Any four parameters can be recorded simultaneously.

REACTION TIME

Auditory "Click" stimulation is given to subject and the subject responses by pressing a pushbutton. Auditory stimulations are given in two modes random and non random fashion.

BIOFEEDBACK

Record and view Heart Rate (BPM) and GSR. Control the X/Y position of a dot, by influencing subject's BPM or GSR. If the heart rate beats faster, the dot moves up, if slower, the dot moves downward. If subject perspire more (decrease in Resistance) the dot moves to left incase in resistance, dot moves to the right.

SPIROMETERY

Pulmonary Function Testing Capable of performing tests :-

- Forced Vital Capacity
- Slow Vital Capacity
- Maximum Voluntary Ventilation

HEART SOUNDS

Record and view Phono cardiogram. Examine relationship between Pulse and Phonocardiogram

AMPHIBIAN EXPERIMENTS

Amphibian experiments like signal Muscle twitch, after load and free load contractions, strength of Stimuli, Tetanus, fatigue, Isometric contraction etc. are performed using Isotonic and Isometric Force Transducer.

SYSTEM COMPATIBLE COMPUTER HARDWARE : P-IV, 128 MB RAM, 1.44 MB FDD, 40 GB HDD, CD-ROM, Keyboard, Mouse. Colour Monitor 15" . **OPERATING SYSTEM :** Window 98/ME/2000/XP. **PRINTER :** Any Inkjet Printer supporting windows.

Branch Office

Ahmedabad	9824088842	Gwalior	9425112022
Bangalore	9845191572	Hyderabad	9849145151
Bihar	9835283243	Jaipur	9829019046
Chennai	9847230567	Mumbai	9820929822
Delhi	9810363242	PB & HR	9814332314
Pune	9822619216	Lucknow	9839281804



MEDICAID

An ISO 9001 : 2000 Company

Manufactured & Marketed by :

MEDICAID SYSTEMS

389, Industrial Area, Phase-II,
Chandigarh-160 002

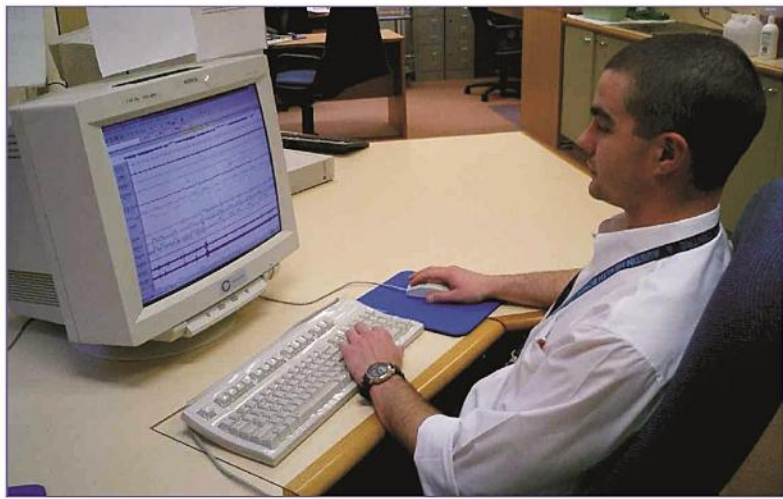
Ph: 0172- 2652706,2641203, Fax : 2653608

E-mail : medicaid@glide.net.in

WebSite : www.medicaidsys.com

MEDICAID'S continuing product improvement programme makes specifications subject to change without notice.

A Complete Student Physiology Lab System & Sixteen Channel Data Acquisition & Analysis System



Applications

- EEG
- EMG
- ECG
- HRV Analysis
- EOG
- Respiration
- Pulse Plethysmogram
- GSR (Galvanic Skin Resistance)
- Pulmonary Function
- Heart Sound (Phonocardiogram)
- Temperature
- Nerve Conduction Studies
- Evoked Potential (Sensory, Visual & Auditor)
- Electrogastrogram
- Exercise Physiology
- Biomechanics



PHYSIOLAB a computerised Polygraph has been developed by qualified technocrats having a rich experience of 30 years in making Polygraphs for the study on human and animals in Physiology & Pharmacology labs.

Features

- RR Analysis
- Integration of waves
- Frequency, Time & Voltage marking on individual channel
- User definable event marking
- Overlapping of waves
- Subject's Database information
- Data archiving on CD

Lessons

Electroencephalogram (EEG)

Record and view EEG from any location. See how EEG signal changes in Relaxation, Attention and use filters to examine frequency band (Alpha, Beta, Delta and Theta).

Muscle Contraction (EMG)

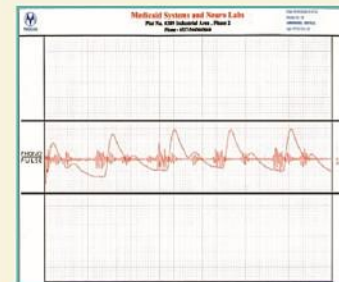
Record and view EMG Signal with surface electrodes from different location. See raw and with integrated real time EMG data. Simultaneously Compare the EMG signal from one muscle group to another. Study Isometric and Isotonic muscle loading tasks.

Electrocardiogram (ECG)

Record and view ECG leads, I, II, III, aVR, aVL, aVF & Chest. Study Einthoven Law. Perform measurements of P,Q,R,S and T Waves. Measure amplitude and timing of waves and calculate BPM. Study realtime ECG & BPM.

ENG

Record and view vertical and horizontal eye movement. Perform Saccade and Gaze Test. See a graph for vertical motions and for horizontal motions. A complete X/Y tracing of where subject looked during the test period is recorded.



Pulse & Plethysmography

Pulse is measured at the fingertip non-invasively sensing variations in blood density. Examine the relationship between ECG and PLUSE. Study mechanical action of the heart



Heart Sounds

Record and view Phono cardiogram. Examine relationship between Pulse and Phonocardiogram.

Respiration

Record and view Respiratory efforts and relative air flow. Respiration is measured by recording chest expansion and contraction. Air flow is indirectly recorded by using a thermister placed next to the nose. Examine the time relationship between chest motion and air flow.

Nerve Conduction Studies

- Motor nerve conduction studies
- Sensory nerve conduction studies
- F-Wave, H-Reflex, Blink Reflex
- Repetitive stimulation/myasthenia

Electro Myography

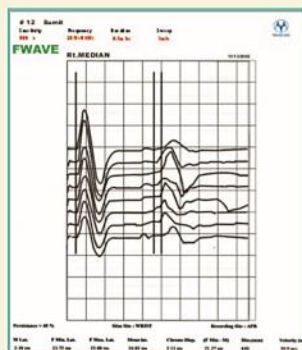
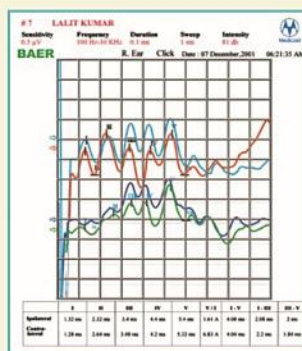
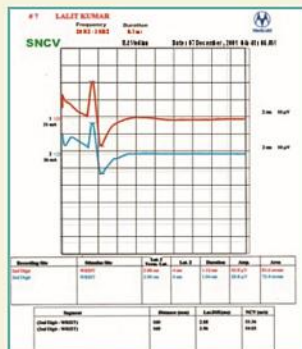
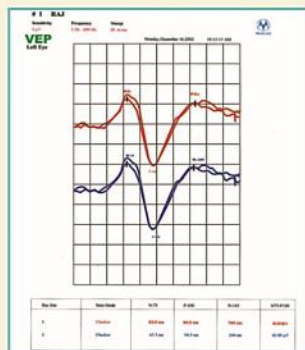
- Spontaneous
- Interference Pattern
- Motor unit Potential
- Turn/Amplitude Analysis

Habituation

Record GSR and Heart rate response to repeated stimulus to demonstrate habituation and its probabilistic trend towards decreased response.

Evoked Potential

- Somatosensory Evoked Potential
- Auditory Evoked Potential
- Visual Evoked Potential



Spirometry

Pulmonary Function Testing Capable of performing tests :-

- Forced Vital Capacity
- Slow Vita Capacity
- Maximum Voluntary Ventilation



Accessories

• EKG limb electrodes with straps	1 Set.	• Chest Electrode	1 No.
• EEG Electrode	8 Nos.	• EMG disc electrodes	1 Set
• Ground Electrode	1 No.	• EEG Jelly Tube	1 Tube
• EEG Paste	1 Jar	• Fuse	6 Nos.
• Earthing Cord	1 No.	• Instruction Manual	1 No.
• Sensory ring electrodes	4 Nos.	• MNCV Surface electrode	10 Nos.
• GSR Electrode	4 Nos.	• Baer Head Phone	1 No.
• Foot Switch	1 No.	• Electrical Stimulator	1 No.
• Respiration Transduce (Belt type)		• Photo-Electric Pulse Transducer	
• Surface Temperature Probe.		• Internal Temperature Probe.	
• Phono-Cardiogram Transducer.		• EP Monitor.	

System Compatible Computer Hardware

Computer	: Core 2 Duo 2.93 GHz, 2 GB RAM, 350 GB HDD, DVD Writer, Keyboard & Mouse
Monitor	: 17" Colour supporting 1024x768 mode
Printer	: Any Inkjet printer supporting windows.



MEDICAID SYSTEMS

An ISO 13485 : 2003 Company

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