

## To Determine the Hall Voltage (p or n type).

KS/PHY/HALL

Hall Effect apparatus Dc Regulated Power Supply Constant current source Digital Gauss meter Liner(Screw Driver)  
Flexible Plug leads 100cm, Black Flexible Plug leads 100cm, Red Flexible Plug leads 50cm, Yellow Power Cord P-Type  
Ge crystal PCB N-Type ge Crystal PCB(Optional).



### Technical Specifications:

- 1) Electromagnet: 6 KG at 20mm gap between the pole pieces.
- 2) Digital power supply for electromagnet  
SMPS based CC , CV power supply Current : 0- 8A.
- 3) Digital Gaussmeter: Range : 0-20 K gauss.
- 4) Digital hall effect set-up or Composite Voltage- current source
- 5) Hall probe :- Ge crystal n & p type:- Ge-crystal with four spring type pressure contacts is mounted on the Glass Epoxy Circuit board. Four leads are provided for connection with measuring Devices.  
Thickness of Ge crystal : 1 mm.
- 6) Gauss probe:- Hall IC based gauss probe mounted on PCB

Designed & Manufactured by:

**Kalpana Scientific Pvt.Ltd.**

Konnagar, West Bengal-712235, India

Tel. 7679774297 website: [www.kalpanascientific.com](http://www.kalpanascientific.com)

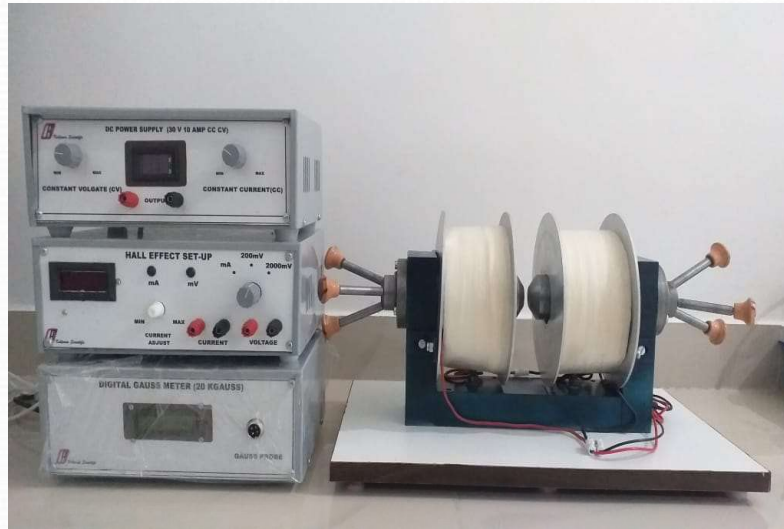
Email id : [kalpanascientifickolkata@gmail.com](mailto:kalpanascientifickolkata@gmail.com)



## To Determine Hall Coefficient

KS/PHY/HALL/COEFF

Hall Effect apparatus 500 turns Dc Regulated Power Supply Constant current source Digital Gauss meter calibrated Liner(Screw Driver)  
Flexible Plug leads 100cm, Black Flexible Plug leads 100cm, Red Flexible Plug leads 50cm, Yellow Power Cord P-Type Ge crystal PCB N-Type ge Crystal PCB(Optional)



### Technical Specifications:

- 1) Electromagnet: 6 KG at 20mm gap between the pole pieces.
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SMPS based CC , CV power supply Current : 0- 8A.
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## Determination of Resolving Power of a Telescope

KS/PHY/REPTLE

Sodium light source (Complete with housing for sodium vapor lamp, transformer, Base, Mounting rod, Bosshead and Sodium Bulb) Bridge type microscope Micrometer slit Telescope Measuring tape Slit holder Bosshead Rod 'A' base Cylindrical base Slit (1mm, 2mm)



A complete setup to determine the resolving power of a telescope.

It includes:

Sodium light source, Bridge type microscope, Micrometer slit, Telescope, Measure tape, Slit holder, Bosshead, Rod, 'A' base, Cylindrical base, Slit

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## To Determine The Resolving Power of a Telescope

*KS/PHY/REPTELE1*

Sodium light source Bridge type microscope Micrometer slit Telescope Measuring tape Slit holder Bosshead Rod 'A' base Cylindrical base Slit (1mm, 2mm)



A complete setup to determine the resolving power of a telescope.

It includes:

Sodium light source, Bridge type microscope, Micrometer slit, Telescope, Measure tape, Slit holder, Bosshead, Rod, 'A' base, Cylindrical base, Slit

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## To Study of Zener Diode & Its Applications

KS/PHY/ZENER

Circuit Board Pair of connecting Lead (100 cm) Pair of connecting Lads (50 cm) Data Logger with Current Booster  
Power Supply for Data Logger Diode Module Zener Diode 3.9V Module Zener Diode 5.1V Module LED Module  
Resistor Modules Transistor Module Voltage Sensors Current Sensors Software Power Cord Components mounted  
on PCB and these PCB fix in a transparent housing for the visibility of the components.



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## Zener Diode Study & Its Applications

KS/PHY/ZENER1

Circuit Board Pair of connecting Lead (100 cm) Pair of connecting Lads (50 cm) Data Logger with Current Booster  
Power Supply for Data Logger Diode Module Zener Diode 3.9V Module Zener Diode 5.1V Module LED Module  
Resistor Modules Transistor Module Voltage Sensors Current Sensors Software Power Cord



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**Technical Compliance sheet of Physics Experiments Apparatus**

Sl. No.	Experiment Name	Apparatus	Make & Model No.	Compliance (Yes/No)
1	To determine the Hall Voltage (p or n type).	Hall Effect apparatus Dc Regulated Power Supply Constant current source Digital Gauss meter Liner(Screw Driver) Flexible Plug leads 100cm, Black Flexible Plug leads 100cm, Red Flexible Plug leads 50cm, Yellow Power Cord P-Type Ge crystal PCB N-Type ge Crystal PCB(Optional)	Make: KALPANA SCIENTIFIC Model No.: KS/PHY/HALL	Yes
2	To Determine Hall Coefficient.	Hall Effect apparatus 500 turns Dc Regulated Power Supply Constant current source Digital Gauss meter calibrated Liner(Screw Driver) Flexible Plug leads 100cm, Black Flexible Plug leads 100cm, Red Flexible Plug leads 50cm, Yellow Power Cord P-Type Ge crystal PCB N-Type ge Crystal PCB(Optional)	Make: KALPANA SCIENTIFIC Model No.: KS/PHY/HALL/COEFF	Yes
3	Determination of resolving power of a telescope.	Sodium light source (Complete with housing for sodium vapor lamp, transformer, Base, Mounting rod, Bosshead and Sodium Bulb) Bridge type microscope Micrometer slit Telescope Measuring tape Slit holder Bosshead Rod 'A' base Cylindrical base Slit (1mm, 2mm)	Make: KALPANA SCIENTIFIC Model No.: KS/PHY/REPTTELE	Yes
4	To determine the resolving power of a telescope.	Sodium light source Bridge type microscope Micrometer slit Telescope Measuring tape Slit holder Bosshead Rod 'A' base Cylindrical base Slit (1mm, 2mm)	Make: KALPANA SCIENTIFIC Model No.: KS/PHY/REPTTELE1	Yes
5	To study of Zener Diode & its applications.	Circuit Board Pair of connecting Lead (100 cm) Pair of connecting Lads (50 cm) Data Logger with Current Booster Power Supply for Data Logger Diode Module Zener Diode 3.9V Module Zener Diode 5.1V Module LED Module Resistor Modules Transistor Module Voltage Sensors Current Sensors Software Power Cord Components mounted on PCB and these PCB fix in a transparent housing for the visibility of the components.	Make: KALPANA SCIENTIFIC Model No.: KS/PHY/ZENER	Yes
6	Zener Diode study & its applications.	Circuit Board Pair of connecting Lead (100 cm) Pair of connecting Lads (50 cm) Data Logger with Current Booster Power Supply for Data Logger Diode Module Zener Diode 3.9V Module Zener Diode 5.1V Module LED Module Resistor Modules Transistor Module Voltage Sensors Current Sensors Software Power Cord	Make: KALPANA SCIENTIFIC Model No.: KS/PHY/ZENER1	Yes

**Installation and demonstration will be provided.**

**Warranty: 1 year**

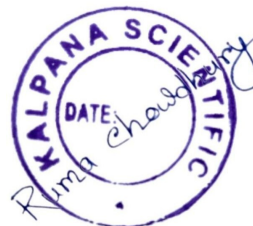


**LIST OF SERVICE CENTRE**

SL NO	LOCATION	ADDRESS
1	KOLKATA	A-33/2 BIDISHA HOUSING KONNAGAR , HOOGLY , WEST BENGAL-712235 MOB:7029894454
2	PUNE	A-104, NATURES BLESSINGS, GORHE BK, PUNE-411025 MOB:7679774297
4	AMBALA	BENGALI MOHALLA NEAR POST OFFICE AMBALA CANTT, HARYANA-133001

Name of application specialist /Service Engineer who have the technical competency to handle and Support the quoted product during the warranty period.		
Name of the organization	Name of Contact Person	Contact No.
KALPANA SCIENTIFIC	DR. S.NEOGI, M.SC, M.TECH, Ph.D	7679774297
KALPANA SCIENTIFIC	DR. U.CHOWDHURY, M.SC, M.TECH, Ph.D	7029894454
KALPANA SCIENTIFIC	MRS. POUSHALI ROY, B.TECH, M.TECH	7718610048
KALPANA SCIENTIFIC	MR. SUSHOBHON PAL, BSc, MCA	9883267817
KALPANA SCIENTIFIC	MR. BHOLANATH SUTRADHAR, BSc	9064134925

Now we have three service centre in INDIA. During the warranty period, I/we shall provide free ,after sale service, and the replacement of any part(s) of the Equipment /Item or rectification of defects of work of the Equipment /Item will be free of cost. The replacement of the parts shall be arranged by us, at our own cost and responsibility during warranty period.

**For KALPANASCIENTIFIC****RUMACHOWDHURY,  
PROPRIETOR  
CALL: 7679774297  
PLACE: KONNAGAR,  
DATE:12.07.2024**