

Order Code – 2223809.24 HALL EFFECT TRANSDUCER



Description : -

- The Provided Set Is Designed generate an electrostatic charge or voltage, when mechanical stresses are applied to them.
- The most useful materials are, quartz, Rochelle salt and synthetic materials lik barium titanate and lead zirconatatitanate.
- Among all quartz aremost stable and preferred to used as single cut quartz crystal used in crystal controlled oscillators.
- The stackedforms are likely to use to measure dynamic pressure, change in acceleration, magnitude of shock and vibration.
- In commercial application synthetic materials piezoelectricelements are preferred, due to lower cost and higher sensitivity.
- These are widely used for the measurement of rapidly varying pressure like vibration and shock.

Specification :-

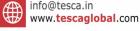
- Shock Arrangement : Spring type
- Circuit : Peak detector & hold
- Amplifier : Op-amp based
- Test points : Sockets at different places for Signals.
- Display : 3.5 digit digital
- Power supply : Short circuit & overload Protected
- Mains : 230V/50Hz ACIntroduction:
- The resistivity measurements of semiconductors can not reveal whether one or two types of carriers are present; or distinguish between them.
- However, this information can be obtained from Hall Coefficient measurements, which are also basic tools for the determination of carrier density and mobilities in

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



Export Sales: +91-9829132777 India Sales: +91-9588842361 IT-2013, Ramchandrapura Industrial Area, Sitapura Extension, Jaipur-302022, India.

(in)



CIN: U29309RJ2011PTC035213 GSTIN: 08AADCT8576E1ZZ Follow Tescaglobal

worlddidac



Order Code – 2223809.24 HALL EFFECT TRANSDUCER

conjunctions with resistivity measurement.

Hall Effect experiment consists of the following:

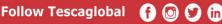
- 1). Hall Probe (Ge. Crystal Mounted on a PCB).
- 2). Electromagnet 10,000 Gauss.
- 3). Power Supply for Electromagnet.
- 4). Constant Current Power supply with Two Digital Meters. Digital Millivotmeter 0-200mV sensitivity ± 0.1mV. Auto polarity, Digital milli Ampere-meter 0-20mA, sensitivity ± 0.01mA.
- 5). Digital Gauss meter with Hall Probe, 20KG.
- 6). Wooden stand for probes.

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



Export Sales: +91-9829132777 India Sales: +91-9588842361 **Q** IT-2013, Ramchandrapura Industrial Area, Sitapura Extension, Jaipur-302022, India.







worlddidac