

LOCK-IN AMPLIFIER

APPLICATIONS :

- for following experiments

- Calibration of Lock-in amplifier &
 Demonstrating phase sensitive detection
- Study of Mutual Inductance
- \circ Measurement of Low resistance (about 0.10)
- AC Susceptibility
- Hall effect in semi-conductors



SPECIFICATIONS

Operating Voltage: 230 V AC, 50 Hz ± 10%.Operating Temp. Range: 0°C to 50°C.Enclosure: 184 x 96 x 200 mm DIN.

- Frequency range: 400 Hz to 10 kHz
- Maximum DC output under phase matched condition of about 1V DC Output for a rms AC of 250 microvolt.
- Provision for internal calibration.
- Taps for reference signal, phase shifted reference signal, output at pin 13 of AD-630 chip, to show how the lock-in works.
- Provision for external signal and external reference.
- Comes with a mutual inductance coil of order about 50 μ H mutual inductance (changes from coil to coil) and a box to measure resistance of about 0.1 Ohm.

Low Resistance Measurement Box		Mutual Inductance
Dimensions : 90 (L) x 50 (W) x 30 (H) mm		
Manufactured By :		Marketed By :
Aj 45/ VI E Tel E-m Wel	ay Sensors & Instruments /17, 12 th "A" Cross, Gubbanna Indl. Garden, Block, Rajajinagar, Bangalore - 560 010. I : 080 - 2330 4997; Fax : 080 - 2338 1040. nail: ajaysensors@yahoo.com ; bsite: www.ajaysensors.com	