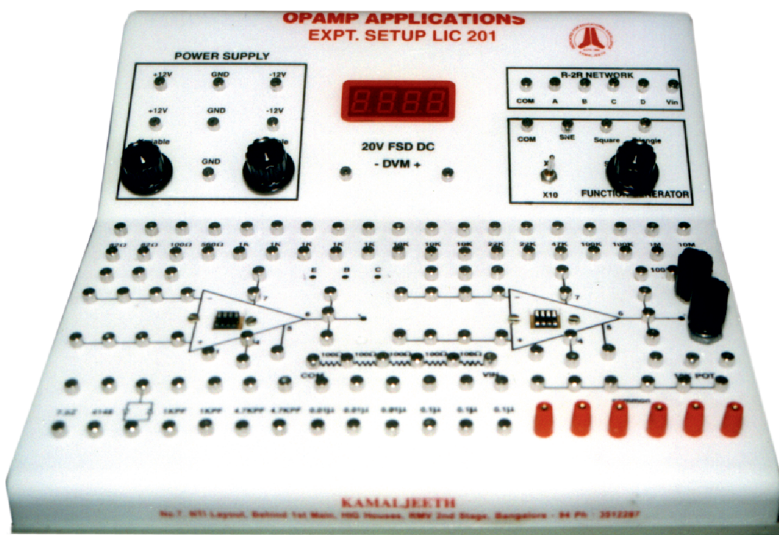


Experiment(s):

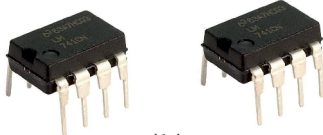
1. Opamp Application - Low pass filter, high pass filter, band pass filter, inverting and non-inverting amplifier, integrator, differentiator, construction of phase shift oscillator, wein-bridge oscillator shift

(For more details, procedure & manual visit: www.kamaljeeth.net)

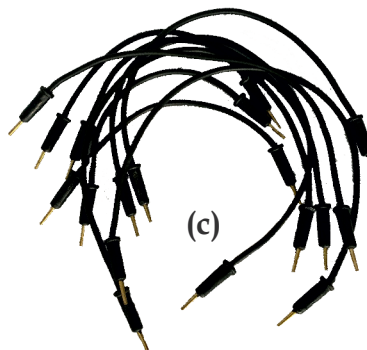
Reference : Lab Experiments Journal vol-13, No.3, Page-223



(a)



(b)



(c)

Specifications:**a) Opamp applications kit**

Opamp: IC 741 (2 nos)

Power supply: Fixed ± 12 V

Variable: 0 to +12V and
0 to -12V

Signal generator: upto 200 KHz

Sine, square, triangle waveform

Amplitude: Variable

Meter: Digital DC voltmeter

Display: Digital DC $3\frac{1}{2}$ digit,
LED

Range: 20 V

Resolution: 0.01 V

Resistors: Set of in built

resistors from 82Ω to $1M\Omega$

Load resistors: 0Ω to 500Ω in
steps of 100Ω

Continuous variable resistance:

0 to 100Ω and 0 to $1K\Omega$

Filters: Set of 10 different
electrolytic capacitors

Set of zener diodes: 2 nos

p-n junction diode set: yes

Common nodes: Yes (2 nos)

Rated Input: 220 V/50 Hz

or 110 V/60 Hz

Cord/Socket: 3 pin

Power Consumption: <30 W

Cabinet: Acrylic body,
aluminium bottom

b) IC 741: 2 nos**c) Patch cords:**

Set of standard 2mm patch
cords of different lengths with
spare cords



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3 years manufacturing
warranty