

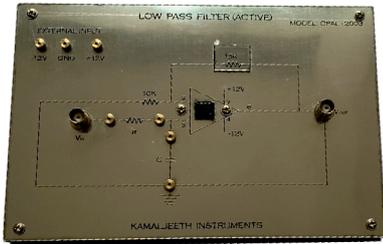
RC FILTERS (ACTIVE & PASSIVE)

Model: RCOP-201/516

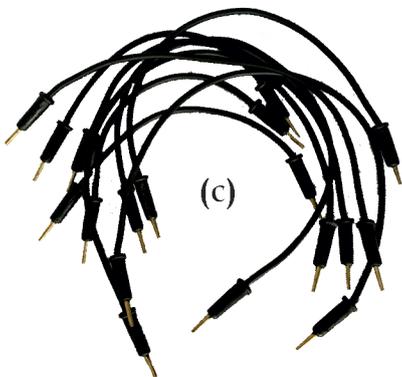
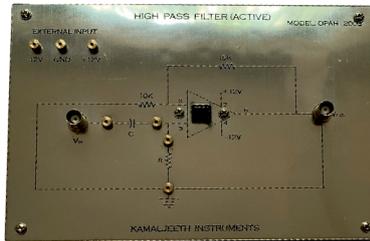
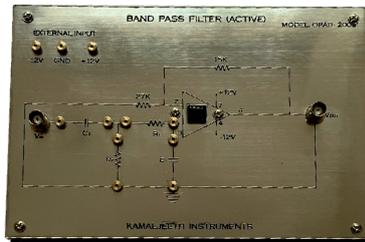
Experiment(s):

1. Construction of low, high and band pass filters

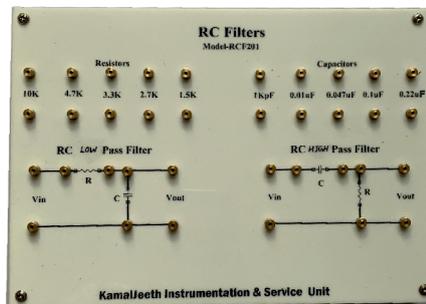
(For more details, procedure & manual visit: www.kamaljeeth.net)



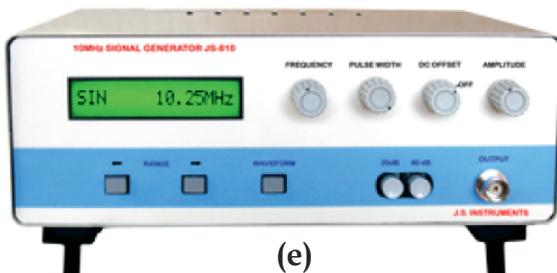
(a)



(d)



(b)



(e)

Experiment setup consists:

- a) Active filter boards
- b) Passive filter board
- c) Set of patch cord
- d) Power supply
- e) Signal generator

Specifications:

a) Active filters

IC-741 Op-amp based
Components: Externally mountable resistors and capacitors
Circuit biasing: Externally
Input: Signal Generator 1 MHz
Output: Connected to CRO/DSO
Circuits Boards: 3 - Low pass, High pass and Band pass filters

b) Passive Filters

Components: Built in set of resistors and capacitors
Circuits Board: 1 - Low Pass and High Pass

c) Patch cords

Connectors: 2mm patch cords

d) Power supply

connected using split power supply
Output: ± 12 V/1 A DC

e) Signal generator

Frequency: 1 Hz to 1 MHz
Display: Frequency & Waveform
Rated Input: 220 V/50 Hz
or 110 V/60 Hz
Power consumption: <30 W
Amplitude: 0 to 20 V variable
Waveforms: Sine, square and triangular



KAMALJEETH INSTRUMENTS

ESTD. 1990

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3 years manufacturing warranty