

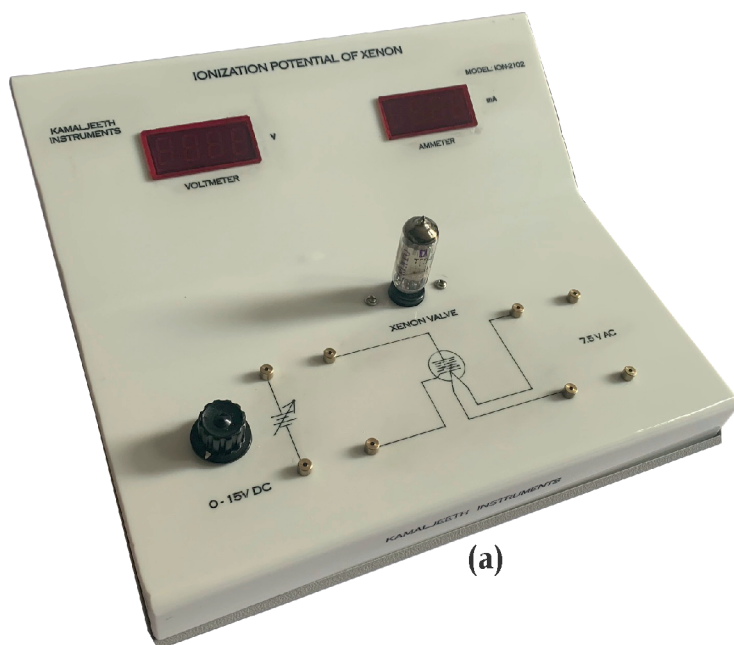
IONIZATION POTENTIAL OF XENON

Model: VI-101/114

Experiment(s):

1. To draw I-V characteristics of xenon filled Thyatron and determine its ionization potential

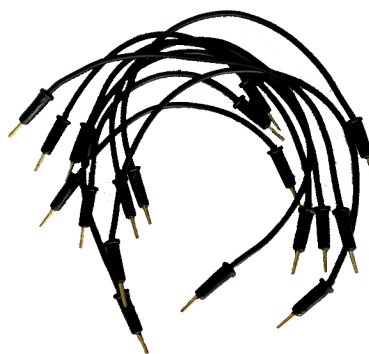
(For more details, procedure & manual visit: www.kamaljeeth.net)



(a)



(b)



(c)

Experiment setup consists:

- a) Ionization potential of Xenon kit
- b) Thyatron valve tube
- c) Patch cords

Specifications:

a) Ionization potential of Xenon kit

Power supply: 0-15V DC variable & regulated, Short circuit protected
 AC power supply: 7.5V AC fixed voltage for filament
 Voltmeter: Digital DC 3½ digit
 Range: 20V
 Resolution: 0.01V
 Current meter: Digital DC 3½ digit
 Range: 200 μ A
 Resolution: 0.1 μ A
 Rated Input: 220 V/50 Hz
 or 110 V/60 Hz
 Power consumption: <50W
 Cabinet: Acrylic body, aluminium bottom

b) Thyatron valve tube

Inert gas: Xenon
 Heating: Filament type
 Heating voltage: 7 V

c) Patch cords

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



KAMALJEETH INSTRUMENTS

ESTD. 1990

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3 years manufacturing warranty