



# Klystron Power Supply

Nvis 102



**Nvis 102 Klystron Power Supply** is a state-of-the-art solid-state, regulated Power Supply for operating low power Klystrons.

It incorporates a number of proprietary features :

## Features

- Regulated Beam Supply and Repeller Supply voltages
- LED Digital meter for Beam voltage, current and Repeller voltage
- Compact and Reliable
- Modular construction for easy maintenance
- In addition to AM and FM modulation of beam current, a provision for external modulation is provided

## Technical Specifications

<b>Beam Supply</b>	
<b>Voltage</b>	: 240 - 420 VDC, Variable
<b>Current</b>	: 50 mA
<b>Regulation</b>	: 0.5 % for 10% I/P variation
<b>Ripple</b>	: < 5 m Vrms (ON Load)
<b>Repeller Supply</b>	: -18 V to -270 V DC Variable (ON Load)
<b>Regulation</b>	: 0.25 %, for 10 % I/P variation
<b>Filament Supply</b>	: 6.3 VDC (adjustable on rear panel)
<b>Over-Load Trip Current</b>	: 65 mA
<b>Modulation</b>	: AM (Square) FM (Saw - tooth)
<b>Frequency Range</b>	: 500 - 2000 Hz 50 - 150 Hz
<b>Amplitude</b>	: 0 - 110 Vpp 0 - 60 Vpp
<b>External</b>	: Through External Modulating Signal
<b>Digital display for</b>	: Beam voltage, Beam Current, Repeller voltage
<b>Modulation Selector</b>	: CW/AM/FM/EXT
<b>3½ Digital Panel meter</b>	: 2 V
<b>Meter Selector</b>	: Beam Voltage (V)/ Current (I)/ (Repeller) Rep.
<b>Connectors</b>	: 5-Pin lunar Connector, BNC for External Modulation
<b>Power Supply</b>	: 230 V ±10%, 50 Hz
<b>Power consumption</b>	: 32 VA (approx.)
<b>Dimensions (mm)</b>	: W 295 × D 385 × H 165
<b>Audio Input</b>	: Provided for audio communication

Designed and Manufactured in India by -

**Nvis Technologies Pvt. Ltd.**

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