

RMCR SERIES

COMPACT BENCH-TOP HIGH VOLTAGE SUPPLIES

Self-contained laboratory high voltage supplies with reversible polarity, a 10-turn output control, and digital voltage metering. The compact enclosure is suited to detector bias and general bench use.



1.5-5 kV

OUTPUT RANGE

90-240 VAC

UNIVERSAL INPUT

Reversible

POLARITY

3.5 digit

DIGITAL METER

KEY CAPABILITIES

- Fully adjustable from zero to rated maximum
- Front-panel reversible polarity selection
- Digital output-voltage meter
- Low ripple and low noise
- Short-circuit, overload, and arc protection

TYPICAL APPLICATIONS

- Photomultiplier tubes
- Microchannel plates
- Analytical instruments
- Detector and sensor bias
- General laboratory use

STANDARD MODEL GUIDE

Model	Output voltage	Output current
RMCR-1.5R	0-1.5 kV	1.5 mA
RMCR-3R	0-3 kV	1 mA
RMCR-5R	0-5 kV	500 μ A

Select the standard model for the required output voltage. Contact Gamma for higher-power or custom output requirements.



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1.5-5 kV | REVERSIBLE POLARITY

HIGH VOLTAGE SOLUTIONS

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ELECTRICAL CHARACTERISTICS

Input	90-240 VAC, 50-60 Hz
Output	Continuously adjustable; see model guide
Polarity	Reversible
Ripple	<0.001%
Stability	<0.05% per 8 hours
Line regulation	<0.001%
Load regulation	<0.02%
Voltage control	10-turn counting dial
Meter	3.5-digit digital voltmeter

INTEGRATION AND CONTROL

- Use the positive SHV port with selector set to POS for positive output
- Use the negative SHV port with selector set to NEG for negative output
- High voltage common is terminal E1
- Turn power off before changing output polarity

PHYSICAL AND ENVIRONMENTAL

Output connector	SHV type
Dimensions	6 L x 5.25 W x 3 H in
Enclosure	Self-standing laboratory enclosure
Controls	Front-panel power, voltage adjust, and polarity selector
Construction	Compact modular assembly

CONFIGURATION NOTES

- Three standard output-voltage models
- Application-specific output cable options
- Custom output and enclosure configurations available
- RoHS-compliant version available

Configuration support
Choose the voltage, power, polarity, connector, cable, and control options for your application. Gamma can help identify the best configuration for your system.

HIGH VOLTAGE SOLUTIONS

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Get in touch

+1 386-677-7070

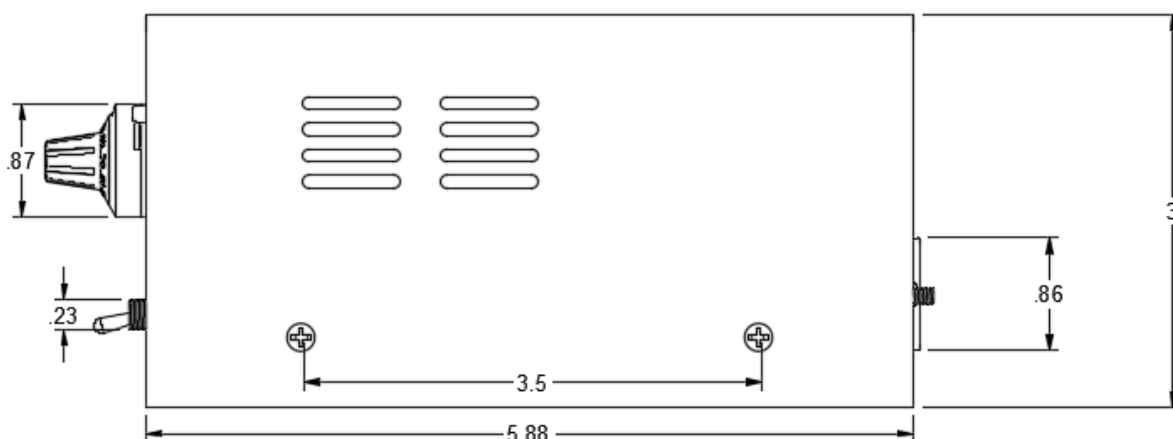
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1096 N US Highway 1, Suite 109 | Ormond Beach, FL 32174

MECHANICAL DRAWINGS

Mechanical dimensions for the standard enclosures are shown below. Dimensions are in inches unless otherwise noted. Contact Gamma for assistance selecting the enclosure and connector arrangement for your configuration.

SIDE VIEW



FRONT VIEW

