



- **High Input Impedance**
- **25ppm Temperature Coefficient (15ppm available)**
- **100kV, 200kV, 400kV and and Models**
- **Corona Free Operation**
- **0.5% Accuracy (higher accuracies available)**

INTRODUCTION

Resistance Voltage Dividers

Wisman's RVD series high voltage resistive voltage dividers provide a convenient test method for scientific research institutes, industrial applications, and can measure high voltages up to 100kVdc, 200kVdc, 400kVdc or 600kVdc with an accuracy of 0.5%. It has the characteristics of high precision, low temperature drift and high stability. This voltage divider measures high voltage in combination with a standard digital voltmeter. The input impedance of the standard digital voltmeter requires $\geq 10G\Omega$.

Objective: For use with high impedance digital voltmeters.

All RVD voltage dividers are mounted in a cylinder with a set of precision metal film resistors with a temperature coefficient of less than 25ppm (15ppm can be customized). Corona reduction is achieved with trapezoidal structure technology and polished high pressure ball fixation. The BNC connector provides the output signal for low voltage scaling.

RVD series high voltage divider: No band width measurement capability (only for steady state measurement of DC high voltage).

OEM

Design, manufacturing, customization optional.

Application: Ion beam implantation.

Meet your customized requirements: size, shape, mounting position and output terminals.

For more information, please contact Wisman to discuss your needs with our professional technical engineers and sales staff.

Calibration

Provide traceable calibration certificate, recommended once a year. Contact Wisman for calibration services.

RVD SELECTION TABLE

	RVD100	RVD200	RVD400	RVD600
Input Voltage	0-100kV	0-200kV	0-400kV	0-600kV
Input Impedance	1000M Ω	2000M Ω	4000M Ω	6000M Ω
Output Impedance	1M;100k Ω	20k Ω	40k Ω	60k Ω
Output Taps	100V,10V	2V	4V	6V
Accuracy	0.5%(0.1%,OPT1)	0.5%(0.2%,OPT2)	0.5%(0.2%,OPT2)	0.5%(0.2%,OPT2)
Stability	0.01%/8hrs	0.025%/8hrs	0.025%/8hrs	0.025%/8hrs
Temp. Coefficient	25ppm/ $^{\circ}C$	25ppm/ $^{\circ}C$	25ppm/ $^{\circ}C$	25ppm/ $^{\circ}C$
Height	17.5" (44.5cm)	33.5" (84.5cm)	61" (154.94cm)	100.6" (255.27cm)
Max. Diameter	10" (25.4cm)	12" (30.5cm)	20" (50.8cm)	40" (101.6cm)
Weight	3.1kg	5.5kg	11.8kg	18kg
Output connector	BNC Type	BNC Type	BNC Type	BNC Type

(1) For accuracy of 0.1% specify RVD100-1

(2) For accuracy of 0.2% specify RVD200-2 or RVD400-2 or RVD600-2