



- **USB2.0, RS-232 CONTROL OPTIONAL**
- **70kV, 2mA, 200W MAXIMUM**
- **OVERVOLTAGE, SHORT CIRCUIT AND ARC PROTECTION**
- **VOLTAGE & CURRENT PROGRAMMING**
- **LOCAL AND REMOTE CONTROL**
- **SAFETY INTERLOCK**
- **OEM CUSTOMIZED AVAILABLE**



HANDY TYPE

INTRODUCTION

Wisman's DEC series are handy type power supply with excellent programming function, offering positive and negative output high voltages. The DEC incorporates local and remote programming, an optional USB2.0,RS-232 is available. DEC series has the safety interlock, short circuit, arc and overload protection.

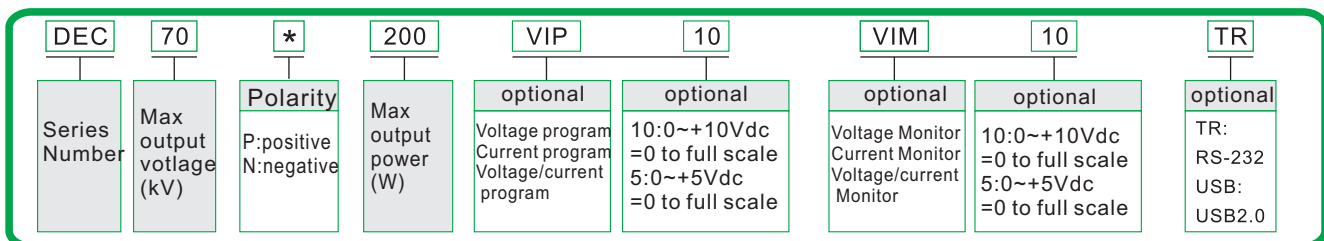
APPLICATION

Capacitor charging, Electronic component aging, Insulation testing, High Voltage test, Electron /Ion beam, FIB, Ion Impouring, Lithography technology, Electrophoresis, Microchip electrophoresis, DNA sequencing, Piezoelectricity material test, FED Cathode X-ray tube, Science experiment, Industrial applications

DEC SELECTION TABLE

kV	mA	P(W)	MODEL	kV	mA	P(W)	MODEL	kV	mA	P(W)	MODEL	kV	mA	P(W)	MODEL			
0.5	200	100	DEC0.5*100	3	33.3	100	DEC3*100	15	6.67	100	DEC15*100	40	2.5	100	DEC40*100			
	240	120	DEC0.5*120		40	120	DEC3*120		8	120	DEC15*120		3	120	DEC40*120	1.71	120	DEC70*120
	280	140	DEC0.5*140		46.7	140	DEC3*140		93.3	140	DEC15*140		3.5	140	DEC40*140	2	140	DEC70*140
	320	160	DEC0.5*160		53.3	160	DEC3*160		10.7	160	DEC15*160		4	160	DEC40*160	2.29	160	DEC70*160
	400	200	DEC0.5*200		66.7	200	DEC3*200		13.1	200	DEC15*200		5	200	DEC40*200	2.86	200	DEC70*200
1	100	100	DEC1*100	5	20	100	DEC5*100	20	5	100	DEC20*100	50	2	100	DEC50*100			
	120	120	DEC1*120		24	120	DEC5*120		6	120	DEC20*120		2.4	120	DEC50*120			
	140	140	DEC1*140		28	140	DEC5*140		7	140	DEC20*140		2.8	140	DEC50*140			
	160	160	DEC1*160		32	160	DEC5*160		8	160	DEC20*160		3.2	160	DEC50*160			
	200	200	DEC1*200		40	200	DEC5*200		10	200	DEC20*200		4	200	DEC50*200			
2.5	40	100	DEC2.5*100	10	10	100	DEC10*100	30	3.3	100	DEC30*100	60	1.67	100	DEC60*100			
	48	120	DEC2.5*120		12	120	DEC10*120		4	120	DEC30*120		2	120	DEC60*120			
	56	140	DEC2.5*140		14	140	DEC10*140		4.67	140	DEC30*140		2.33	140	DEC60*140			
	64	160	DEC2.5*160		16	160	DEC10*160		5.33	160	DEC30*160		2.67	160	DEC60*160			
	80	200	DEC2.5*200		20	200	DEC10*200		6.67	200	DEC30*200		3.33	200	DEC60*200			

DEC SELECTION EXAMPLE



FEATURES

PARAMETER	DESCRIBE
Input	86Vac~256Vac, 10A maximum current
Output	1kV, 2.5kV, 3kV, 5kV, 10kV, 15kV, 20kV, 30kV, 40kV, 50kV, 60kV, 70kV Maximum output voltage optional 60W, 75W, 90W, 100W, 120W, 140W, 160W, 200W Maximum output power optional.
Stability	100ppm/hour after half an hour' s warm up
Temperature coefficient	≤25ppm/°C。
Ripple	0.1% p-p+1Vrms。
Voltage/current Monitor	0~10Vdc proportional from 0 to maximum output voltage, zout=10KΩ, Accuracy=±1%
Voltage local programming	0~10Vdc proportional from 0 to maximum output voltage
Voltage remote programming	Internal potentiometer to set voltage from 0~100% rated output, zin=10MΩ.
Current local programming	0~10Vdc proportional from 0 to maximum output voltage
Current remote programming	Internal potentiometer to set voltage from 0~100% rated output, zin=10MΩ.
Voltage load regulation	0.01%(no load to full load change)
Voltage line regulation	±0.01%(Input voltage line changes ±10%)
Current load regulation	0.01%(no load to full load change)
Current line regulation	±0.01%(Input voltage line changes ±10%)
Operation temperature	0°C~+50°C。
Storage temperature	-40°C~+85°C。
Humidity	20%-85% RH, no condensing
Dimensions	6.68" H x 6.68" W x 16.11" D(170mm x 170mm x 410mm)。
Weight	4.5kg~10kg。

HANDY TYPE

RS-232 DIGITAL INTERFACE D

SIGNAL		SIGNAL	
1	N/C	6	N/C
2	TXD/Transmit data	7	N/C
3	RXD/Receive data	8	N/C
4	N/C	9	N/C
5	SGND		

USB DIGITAL INTERFACE D

SIGNAL		SIGNAL			
1	VBUS	+5Vdc	3	D+	Data+
2	D-	Data-	4	GND	Ground

DIMESIONS

DIMENSIONS: mm [in.]

