

# SPECIFICATIONS

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Quality Surge Testers - Worldwide

## SPECIFICATIONS for PJ Bench & Portable Models (6KV - 20KV)

MODEL NUMBER*	PEAK VOLTAGE OUTPUT Rise Time = 0.1 μsec	POWER INPUT* (Volt Amps)	PEAK CURRENT OUTPUT	DIMENSIONS L" x W" x H"	APPROX. WEIGHT
H6	6,000 v	360 VA	150 amps	22" x 19" x 5.5"	42 lbs
S6	6,000 v	360 VA	150 amps	18.5" x 19" x 12.5"	61 lbs
TS6	6,000 v	360 VA	150 amps	18.5" x 19" x 14.0"	65 lbs
TSM6	6,000 v	360 VA	150 amps	18.5" x 19" x 10.7"	63 lbs
SP6	6,000 v	360 VA	150 amps	18.5" x 19" x 14.0"	63 lbs
SPM6	6,000 v	360 VA	150 amps	18.5" x 19" x 10.7"	61 lbs
MB6	6,000 v	360 VA	150 amps	18.5" x 19" x 14.0"	67 lbs
M6	6,000 v	360 VA	150 amps	18.5" x 19" x 10.7"	66 lbs
H10	10,000 v	720 VA	300 amps	22" x 19" x 5.5"	44 lbs
S10	10,000 v	720 VA	300 amps	18.5" x 19" x 12.5"	63 lbs
TS10	10,000 v	720 VA	300 amps	18.5" x 19" x 14.0"	67 lbs
TSM10	10,000 v	720 VA	300 amps	18.5" x 19" x 10.7"	64 lbs
SP10	10,000 v	720 VA	300 amps	18.5" x 19" x 14.0"	65 lbs
SPM10	10,000 v	720 VA	300 amps	18.5" x 19" x 10.7"	62 lbs
MB10	10,000 v	720 VA	300 amps	18.5" x 19" x 14.0"	69 lbs
M10	10,000 v	720 VA	300 amps	18.5" x 19" x 10.7"	67 lbs
H12	12,000 v	840 VA	375 amps	22" x 19" x 5.5"	46 lbs
S12	12,000 v	840 VA	375 amps	18.5" x 19" x 12.5"	65 lbs
TS12	12,000 v	840 VA	375 amps	18.5" x 19" x 14.0"	69 lbs
TSM12	12,000 v	840 VA	375 amps	18.5" x 19" x 10.7"	65 lbs
SP12	12,000 v	840 VA	375 amps	18.5" x 19" x 14.0"	67 lbs
SPM12	12,000 v	840 VA	375 amps	18.5" x 19" x 10.7"	63 lbs
MB12	12,000 v	840 VA	375 amps	18.5" x 19" x 14.0"	71 lbs
M12	12,000 v	840 VA	375 amps	18.5" x 19" x 10.7"	68 lbs
H15	15,000 v	1080 VA	500 amps	22" x 19" x 5.5"	48 lbs
S15	15,000 v	1080 VA	500 amps	18.5" x 19" x 12.5"	67 lbs
TS15	15,000 v	1080 VA	500 amps	18.5" x 19" x 14.0"	71 lbs
TSM15	15,000 v	1080 VA	500 amps	18.5" x 19" x 10.7"	66 lbs
SP15	15,000 v	1080 VA	500 amps	18.5" x 19" x 14.0"	69 lbs
SPM15	15,000 v	1080 VA	500 amps	18.5" x 19" x 10.7"	64 lbs
MB15	15,000 v	1080 VA	500 amps	18.5" x 19" x 14.0"	73 lbs
M15	15,000 v	1080 VA	500 amps	18.5" x 19" x 10.7"	69 lbs
S20	<i>New!</i> 20,000 v	1440 VA	700 amps	18.5" x 19" x 14.0"	73 lbs
SP20	<i>New!</i> 20,000 v	1440 VA	700 amps	18.5" x 19" x 14.0"	95 lbs

## SPECIFICATIONS for PJ Console Models (10KV - 50KV)

MODEL NUMBER*	PEAK VOLTAGE OUTPUT Rise Time = 0.1 μsec	POWER INPUT* (Volt Amps)	PEAK CURRENT OUTPUT	DIMENSIONS L" x W" x H"	APPROX. WEIGHT
C10, TC10 HC10, MC10	10,000 v	720 VA	300 amps	22" x 21" x 49"	285 lbs
C12, TC12 HC12, MC12	12,000 v	840 VA	375 amps	22" x 21" x 49"	290 lbs
C15, TC15 HC15, MC15	15,000 v	1080 VA	500 amps	22" x 21" x 49"	295 lbs
C20, TC20 HC20, MC20	20,000 v	1440 VA	700 amps	22" x 21" x 49"	305 lbs
C25, TC25 HC25, MC25	25,000 v	1800 VA	800 amps	22" x 21" x 49"	345 lbs
C30, TC30 HC30, MC30	30,000 v	2160 VA	900 amps	22" x 21" x 49"	360 lbs

**SPECIFICATIONS** for PJ Console Models (10KV - 50KV) *continued*

MODEL NUMBER*	PEAK VOLTAGE OUTPUT Rise Time = 0.1 μsec	POWER INPUT* (Volt Amps)	PEAK CURRENT OUTPUT	DIMENSIONS L" x W" x H"	APPROX. WEIGHT
C35	35,000 v	2400 VA	1050 amps	22" x 21" x 49"	380 lbs
HC35	35,000 v	2400 VA	1050 amps	25" x 21" x 56"	390 lbs
C40	40,000 v	2640 VA	1200 amps	22" x 21" x 49"	395 lbs
HC40	40,000 v	2640 VA	1200 amps	25" x 21" x 56"	405 lbs
C50-2M*	50,000 v	3000 VA	1600 amps	22" x 21" x 49"	415 lbs
HC50-2M*	50,000 v	3000 VA	1600 amps	25" x 21" x 56"	425 lbs
C60-2M*	<b>New!</b> 60,000 v	3600 VA	2000 amps	25" x 21" x 56"	415 lbs

**DC HI-POT SPECIFICATIONS**

MODEL NUMBER	MAXIMUM OUTPUT VOLTAGE	MAXIMUM OUTPUT CURRENT	HI-POT OVERCURRENT TRIP	CURRENT RESOLUTION
SP6, SPM6, MB6, M6	6 KV	2000 μ amps	2000 μ amps	0.1 / 1 micro amps
SP10, SPM10, MB10, M10, HC10, MC10	10 KV	2000 μ amps	2000 μ amps	0.1 / 1 micro amps
SP12, SPM12, MB12, M12, HC12, MC12	12 KV	2000 μ amps	2000 μ amps	0.1 / 1 micro amps
SP15, SPM15, MB15, M15, HC15, MC15	15 KV	2000 μ amps	2000 μ amps	0.1 / 1 micro amps
SP20, HC20, MC20	20 KV	2000 μ amps	2000 μ amps	0.1 / 1 micro amps
HC25, MC25	25 KV	2000 μ amps	2000 μ amps	0.1 / 1 micro amps
HC30, MC30	30 KV	2000 μ amps	2000 μ amps	0.1 / 1 micro amps
HC35	35 KV	2000 μ amps	2000 μ amps	0.1 / 1 micro amps
HC40	40 KV	2000 μ amps	2000 μ amps	0.1 / 1 micro amps
HC50-2M*	50 KV	2000 μ amps	2000 μ amps	0.1 / 1 micro amps

**SPECIAL FEATURES**

- All testers meet IEEE standard 522-1992 for voltage rise time (0.1 μsec.)
- Factory Calibration on all P J Surge Testers is traceable to N I S T
- Removable Rigol color Digital Storage Oscilloscope\*\* with Software and a bonus USB Flash Drive
- All consoles constructed in steel cabinets equipped with 6" heavy duty rubber wheels and supplied with a power receptacle for accessories.
- Modularized for simplified maintenance
- Ergonomically designed for operator efficiency
- Easily operated by non-technical personnel
- All internal components are conservatively rated with large margins of safety to ensure trouble free performance

\*All testers are designed to operate at 120 volts AC, single phase, 50/60 Hz (except 50KV models). 220-240 operating line voltage is available upon request and for an additional cost. Please **add** the following designation, "-**2M**", after the model number for PJ Surge Testers designed to operate from 220-240 operating line voltage. \*50KV & 60KV models (C50, HC50 and C60) only available in 220-240VAC. Therefore, the C50, HC50 and C60 models are identified as Model C50-2M, Model HC50-2M and Model C60-2M, respectively.

\*\*Fully Digital storage oscilloscope can be used for trouble shooting motor controllers, power supplies, printed circuit boards and other electronic circuitry. (Optional probe required.)

**OPERATOR SAFETY FEATURES**

P J SURGE TESTERS are designed with the safety of the operator in mind. The special features listed below are standard on all models:

- Foot Switch
- Bleeder Resistors
- Power Receptacle to Accommodate Warning Lights
- Double Pole "ON-OFF" Switch
- Grounded Three Prong AC Line Cord
- Tester Ground Safety Indicator (For 120VAC operation only)
- Safety Light Interlocks
- Hi-Pot Grounding Rod (Console Hi-Pot Models only)