

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 H" x W" x D"	APPROX. WEIGHT
H6	6,000 v	360 VA	150 amps	5.5" x 19" x 22"	42 lbs
S6	6,000 v	360 VA	150 amps	12.5" x 19" x 18.5"	61 lbs
TS6	6,000 v	360 VA	150 amps	14.0" x 19" x 18.5"	65 lbs
TSM6	6,000 v	360 VA	150 amps	10.7" x 19" x 18.5"	63 lbs
SP6	6,000 v	360 VA	150 amps	14.0" x 19" x 18.5"	63 lbs
SPM6	6,000 v	360 VA	150 amps	10.7" x 19" x 18.5"	61 lbs
MB6	6,000 v	360 VA	150 amps	14.0" x 19" x 18.5"	67 lbs
M6	6,000 v	360 VA	150 amps	10.7" x 19" x 18.5"	66 lbs
H10	10,000 v	720 VA	300 amps	5.5" x 19" x 22"	44 lbs
S10	10,000 v	720 VA	300 amps	12.5" x 19" x 18.5"	63 lbs
TS10	10,000 v	720 VA	300 amps	14.0" x 19" x 18.5"	67 lbs
TSM10	10,000 v	720 VA	300 amps	10.7" x 19" x 18.5"	64 lbs
SP10	10,000 v	720 VA	300 amps	14.0" x 19" x 18.5"	65 lbs
SPM10	10,000 v	720 VA	300 amps	10.7" x 19" x 18.5"	62 lbs
MB10	10,000 v	720 VA	300 amps	14.0" x 19" x 18.5"	69 lbs
M10	10,000 v	720 VA	300 amps	10.7" x 19" x 18.5"	67 lbs
H12	12,000 v	840 VA	375 amps	5.5" x 19" x 22"	46 lbs
S12	12,000 v	840 VA	375 amps	12.5" x 19" x 18.5"	65 lbs
TS12	12,000 v	840 VA	375 amps	14.0" x 19" x 18.5"	69 lbs
TSM12	12,000 v	840 VA	375 amps	10.7" x 19" x 18.5"	65 lbs
SP12	12,000 v	840 VA	375 amps	14.0" x 19" x 18.5"	67 lbs
SPM12	12,000 v	840 VA	375 amps	10.7" x 19" x 18.5"	63 lbs
MB12	12,000 v	840 VA	375 amps	14.0" x 19" x 18.5"	71 lbs
M12	12,000 v	840 VA	375 amps	10.7" x 19" x 18.5"	68 lbs
H15	15,000 v	1080 VA	500 amps	5.5" x 19" x 22"	48 lbs
S15	15,000 v	1080 VA	500 amps	12.5" x 19" x 18.5"	67 lbs
TS15	15,000 v	1080 VA	500 amps	14.0" x 19" x 18.5"	71 lbs
TSM15	15,000 v	1080 VA	500 amps	10.7" x 19" x 18.5"	66 lbs
SP15	15,000 v	1080 VA	500 amps	14.0" x 19" x 18.5"	69 lbs
SPM15	15,000 v	1080 VA	500 amps	10.7" x 19" x 18.5"	64 lbs
MB15	15,000 v	1080 VA	500 amps	14.0" x 19" x 18.5"	73 lbs
M15	15,000 v	1080 VA	500 amps	10.7" x 19" x 18.5"	69 lbs
S20	<i>New!</i> 20,000 v	1440 VA	700 amps	14.0" x 19" x 18.5"	73 lbs
SP20	<i>New!</i> 20,000 v	1440 VA	700 amps	14.0" x 19" x 18.5"	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 H" x W" x D"	APPROX. WEIGHT
C10, TC10 HC10, MC10	10,000 v	720 VA	300 amps	49" x 21" x 22"	285 lbs
C12, TC12 HC12, MC12	12,000 v	840 VA	375 amps	49" x 21" x 22"	290 lbs
C15, TC15 HC15, MC15	15,000 v	1080 VA	500 amps	49" x 21" x 22"	295 lbs
C20, TC20 HC20, MC20	20,000 v	1440 VA	700 amps	49" x 21" x 22"	305 lbs
C25, TC25 HC25, MC25	25,000 v	1800 VA	800 amps	49" x 21" x 22"	345 lbs
C30, TC30 HC30, MC30	30,000 v	2160 VA	900 amps	49" x 21" x 22"	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 H" x W" x D"	APPROX. WEIGHT
C35	35,000 v	2400 VA	1050 amps	49" x 21" x 22"	380 lbs
HC35	35,000 v	2400 VA	1050 amps	56" x 21" x 25"	390 lbs
C40	40,000 v	2640 VA	1200 amps	49" x 21" x 22"	395 lbs
HC40	40,000 v	2640 VA	1200 amps	56" x 21" x 25"	405 lbs
C50-2M*	50,000 v	3000 VA	1600 amps	49" x 21" x 22"	415 lbs
HC50-2M*	50,000 v	3000 VA	1600 amps	56" x 21" x 25"	425 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 Tektronix Digital Storage Oscilloscope** with Software and a USB Flash Drive - serviceable world-wide
- 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 models (C50 and HC50) only available in 220-240VAC. Therefore, the C50 and HC50 models are identified as Model C50-2M and Model HC50-2M.

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