



PRECISION MODELS G-30MP,
PE-30MP, PE-30MP2, 30MPA

FOLDER 17
SET 444

PHOTOFACT* Folder



PRECISION MODELS G-30MP,
PE-30MP, PE-30MP2, 30MPA

PRECISION MODELS G-30MP,
PE-30MP, PE-30MP2, 30MPA



MODEL 30MPA

PRECISION MODELS G-30MP,
PE-30MP, PE-30MP2, 30MPA

TRADE NAME	Precision Models G-30MP, PE-30MP, PE-30MP2, 30MPA		
MANUFACTURER	Precision Electronics, Inc. 9101 King St., Franklin Park, Illinois		
TYPE SET	AC-Battery Operated 7 Tube, 3 Channel Audio Amplifier With 4 Speed Manual Record Player		
POWER SUPPLY	6 Volt Storage Battery	RATING	8 Amp. @ 6.3 Volts DC
	12 Volt Storage Battery		7 Amp. @ 12.6 Volts DC
	110-120 Volts AC, 50-60 Cycles		.93 Amp. @ 117 Volts AC (95 Watts Less Motor)

HOWARD W. SAMS & CO., INC. Indianapolis 6, Indiana

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CHASSIS-BOTTOM VIEW

ITEM No.	USE	TYPE	NOTES
V5	Output	6L6CB	
V6	Rectifier	6X5GT	
V7	Rectifier	6X5GT	

ITEM No.	RATING		REPLACEMENT DATA					NOTES	
	CAP.	VOLT.	PRECISION PART No.	AEROVOX PART No.	CORNELL DUBLIER PART No.	MALLOY PART No.	PYRAMID PART No.		SPRAGUE PART No.
C1A	40	450		AFH3-50-05	C0372	FP336.1	TMT-37	TVL-3842	
B	20	450							
C	20	450							
C2A	10	300		AFH3-56-00	CU20	FP387.1	TMT-155	TVL-3816.4	
B	10	250							
A	10	250							
B	10	250							
C	30	16	①						
C3	30	26		PRS50V20	BBR20-25	TT25X20	ML20-25	TVA-1410	

Capacity values given in the rating column are in mfd. for Paper Capacitors, and in mmfd. for Mica and Ceramic Capacitors.

ITEM No.	RATING			REPLACEMENT DATA					NOTES
	CAP.	VOLT	TOL	PRECISION PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORSEIL DUBIER PART No.	MALLORY PART No.	
C4	.047	400			P488N-047	DF-503	CUB4547	GEM-4147	4TM-547
C5	.047	400			P488N-047	DF-503	CUB4547	GEM-4147	4TM-547
C6	.047	400			P488N-047	DF-503	CUB4547	GEM-4147	4TM-547
C7	.047	400			P488N-047	DF-503	CUB4547	GEM-4147	4TM-547
C8	.047	400	10%		NPO-DI 5	DF-050	C10V5C	ZT-555	5TCCB-V5S 10%*
C9	.1	200			P268N-1	DF-404	CUB2PI	GEM-201	2TM-PI
C10	.047	400			P488N-047	DF-503	CUB4547	GEM-4147	4TM-547
C11	.047	400	10%		DI-470	DF-471		JL-347	5GA-T475 10%*
C12	.047	400			BDP-01	DD-103	BYA1DS1	B-110	5HK-S1
C13	.047	400			P488N-047	DF-503	CUB4547	GEM-4147	4TM-547
C14	.047	400			P488N-047	DF-503	CUB4547	GEM-4147	4TM-547
C15	.047	400			BDP-01	DD-103	BYA1DS1	B-110	5HK-S1
C16	.047	400			BDP-01	DD-103	BYA1DS1	B-110	5HK-S1
C17	.1	200			P268N-1	DF-404	CUB2PI	GEM-201	2TM-PI
C18	.1	200			P268N-1	DF-404	CUB2PI	GEM-201	2TM-PI
C19	.1	200			P268N-1	DF-404	CUB2PI	GEM-201	2TM-PI
C20	.1	200			P268N-1	DF-404	CUB2PI	GEM-201	2TM-PI
C21	.47	200	10%		P268N-47	MD-281	CUB2P47	GEM-2047	5GA-T265 10%*
C22	.250	250	10%		DI-250	MD-251	L10725		5GA-T255 10%*
C23	.250	250	10%		DI-250	MD-251	L10725		5GA-T255 10%*

CONTROLS

CONTROLS

ITEM No.	RATING		REPLACEMENT DATA					INSTALLATION NOTES
	RESIST. FORCE	WATTS	PRECISION PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	IRC PART No.	MALLOY PART No.	
R1A	500K	1/2	GVC-500K	B-60	A47-500K-Z	Q13-133	U48	Mic. 1
R1B	500K	1/2	SHK-500K	Not Req.	RS-2	Not Req.	Not Req.	Mic. 2
R2A	500K	1/2	GVC-500K	B-60	A47-500K-Z	Q13-133	U48	
R2B	500K	1/2	SHK-500K	Not Req.	RS-2	Not Req.	Not Req.	
R3A	500K	1/2	GVC-500K	B-60	A47-500K-Z	Q13-133	U48	Phono
R3B	500K	1/2	SHK-500K	Not Req.	RS-2	Not Req.	Not Req.	
R4A	2meg	1/2	LFBC2M	B-76	A47-2meg-Z	Q13-139	U55	Bass
R4B	2meg	1/2	SHK-2M	Not Req.	RS-2	Not Req.	Not Req.	
R5A	500K	1/2	GVC-500K	B-60	A47-500K-Z	Q13-133	U48	Treble
R5B	500K	1/2	SHK-500K	Not Req.	RS-2	Not Req.	Not Req.	

RESISTORS

ITEM No.	RATING		PRECISION PART No.	NOTES
	OHMS	WATT		
R6	3.3meg			
R7	100K			
R8	3.3meg			
R9	100K			
R10	220K			
R11	470K			
R12	470K			
R13	470K			
R14	100Ω			
R15	470K			
R16	1meg			
R17	100K			
R18	220K			
R19	100K			
R20	3900Ω			
R21	100K			

ITEM		USE	REPLACEMENT DATA				NOTES
No.			PRECISION PART No.	Meissner PART No.	Meritt PART No.	Miller PART No.	
L1		"A" Lead Choice					
L2		"A" Lead Choice					

ITEM No.	RATING		PRECISION		REPLACEMENT DATA						
	6VDC OPERATION	SEC. 1	PRI. 1	PRI. 2	Halldorson PART No.	Merit PART No.	Ram PART No.	Stoncor PART No.	Thardarson PART No.	Triod PART No.	
T1	6V	8VCT	③	8A	TPM-2						
	③	③	③	③							
	12VDC OPERATION		SEC. 1								
	PRI. 1	PRI. 2	SEC. 1								
	12V	750VCT	750VCT								
	③	③	③	③							
	AC OPERATION		SEC. 2								
	PRI	SEC. 1	SEC. 2								
	117V	750VCT	8VCT								
	③	③	Not used								
	SEC. 3		SEC. 4		SEC. 5						
	8VCT										
	Not used										
	Tap ③										
	6.3V@4A										

ITEM No.	IMPEDANCE		REPLACEMENT DATA						NOTES
	PRI.	SEC.	PRECISION PART No.	Halldorson PART No.	Merit PART No.	Ram PART No.	Stancor PART No.	Thordarson PART No.	Triad PART No.
T2	5000Ω C.T.	5000Ω 200Ω (20V) 1652, 80, 4Ω	TC-30		A-3131 ①		A-3800 ①	22S97 ①	S-60A ①
									① Dettli new mounting base

ITEM No.	TYPE	INPUT VOLTS-FREQUENCY	REPLACEMENT DATA			NOTES
			PRECISION PART No.	CORRELL-DUBILIER PART No.	MALLORY PART No.	
M1	6V	60%	4G1	6VB6M		6VB6M

**PRECISION MODELS G-30MP,
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General-use Unshielded Hook-up Wire	Use BELDEN No. 8330 (Solid) Available in Ten Colors
Power Cord	Use BELDEN No. 8324 (Stranded) Available in Ten Colors
Low-Loss Shielded Lead (Interconnecting)	Use BELDEN No. 1765-B (6 Ft. Length)
Phone Pick-up Arm Cable	Use BELDEN No. 1765-K (7½ Ft. Length)
	Use BELDEN No. 8401
	Use BELDEN No. 8430 (Two Conductor Twisted)

6X5GT M1 V7 C1 M5 12AX7 V2 V3 12AX7 C2 V1 V4 T2 T1 V6 V5 M3

6X5GT 6L6GB 6L6GB ECC83

ITEM No.	TYPE	RATING	REPLACEMENT DATA					
			PRECISION PART No.		LITTERUSE PART No.		BUSS PART No.	
			FUSE	HOLDER	FUSE	HOLDER	FUSE	HOLDER
M2	3AG	3A 250V			3I2003. (3AG 3A 250V)	342001	AGC3	HKP
M3	3AG	25A 32V			3I1025. (3AG 25A 32V)	357001	SFE20	4406

ITEM No.	REPLACEMENT DATA				REMARKS
	PRECISION PART No.	ASTATIC PART No.	JENSEN PART No.		
		CARTRIDGE	NEDIE	CARTRIDGE	NEDIE
M4		† 81-T * P-81-T			† Includes needles * Tone Arm Complete with Cartridge

ITEM No.	PART NAME	PRECISION PART No.	NOTES
M5	Lamp		#51
M6	Switch		Power Changeover (2 Position, Rotary Water Type)
M7	Switch		Filaments On-Off (SPST, Toggle Type)
M8	Switch		AC Off, Vibrator On-Vibrator Off, AC On (DPDT, Toggle Type)

WIRING DATA