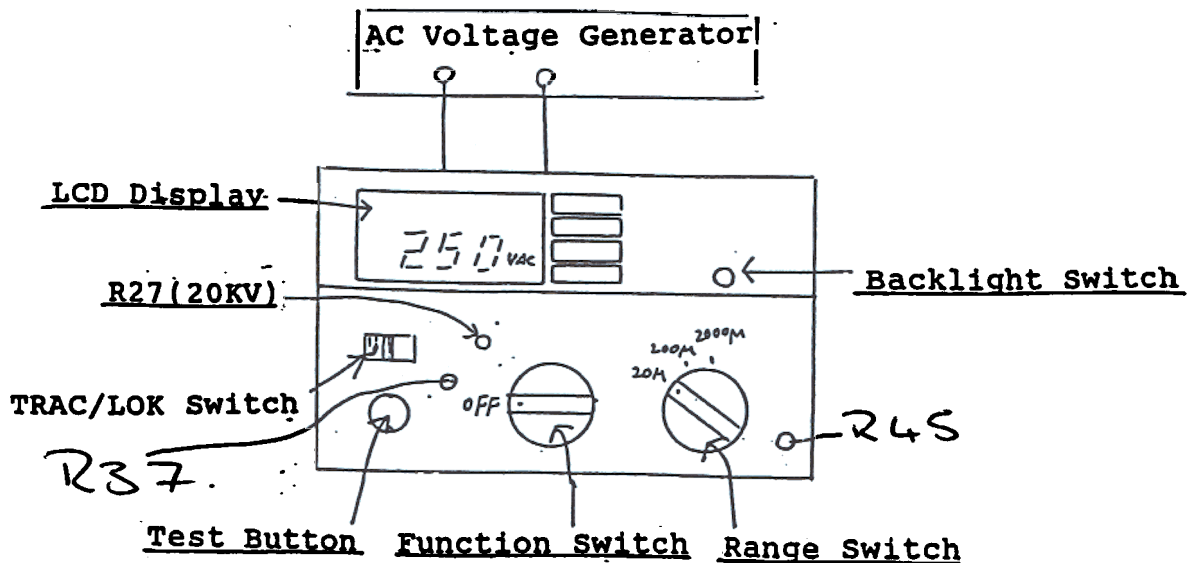


Calibration Procedures for DIMIT

(1) AC Voltage Display Calibration (using variable resistor R27) for Models KMP3050 & KMP3075 (except Model KMP3010)



Connect the instrument to the Power Source (9VDC) for calibration before conducting the calibration

1. Turn the function to the off position.
Also, set Trac/Lok mode switch to the Trac position on Model 3075.
2. Set the range switch to the M Ω range position (20M Ω , 200M Ω or 2000M Ω).
3. Connect the output terminals of the instrument to the Voltage output terminals of the AC voltage generator.
4. Apply 50Hz or 60Hz, 250V voltage to the instrument from AC voltage generator.
5. At that time, the beeper sounds. (intermittently and continuously)
Make sure that the display on the LCD indicates the input voltage.
6. Rotate variable resistor R27 (20KV) so that the display on the LCD reads 250VAC.
7. Press the press to test botton.
Make sure that the display reading on the LCD disappears and all the operations stop.

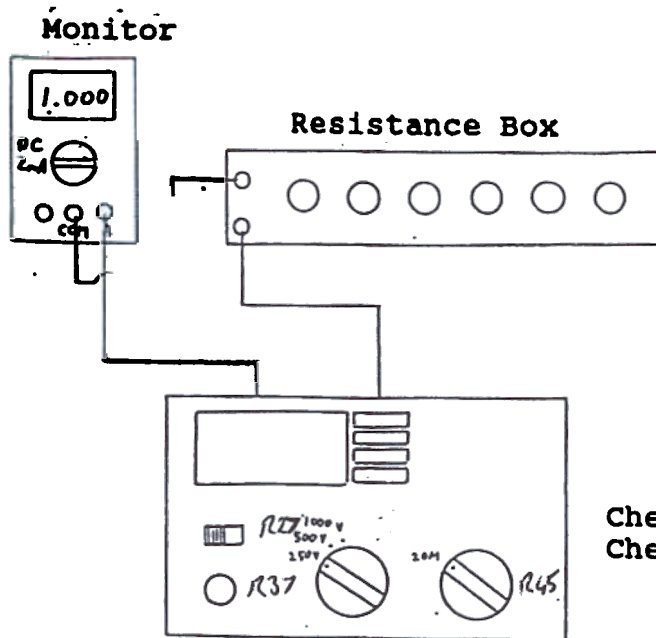
(2) Zero Adjustment using variable resistor(R45)
on continuity range for Model KMP3010, KMP3050 & KMP3075

1. Insert the fuse and set the fuse contact.
(This fuse should be installed individually on the instrument calibrated.)
2. Set the DC power source to 8 volts.
3. Short the terminals with a cord 100MM long for Models 3050 & 3075. For Model 3010, however, use the test lead(Model 7030) supplied with the instrument.
4. Set the Function Switch to the Ω position.
Set the Range Switch to the 2,000 Ω position.
Set the Mode Switch to the TRAC(Model 3075 only) position.
5. At first, turn R45 clockwise.
When the figures appear on the LCD display, turn R45 counterclockwise gradually until the display reads 0 Ω
It is not good to display "0" & "1" repeatedly.
The display must be adjusted to completely "0".
6. Input 100 Ω and make sure that the display reads over 96 Ω

(3) Adjustment for Setting Zero using variable resistor(R37)
for Models KMP3010, KMP3050 & KMP3075

1. Set the DC power source to 8V
2. Short the instrument terminals by inserting the 100MM long cord for calibration.
On Model 3010, use Test Lead(Model 7030) supplied with the instrument.
3. Switch off the instrument once to cancel out the resistance of test lead itself.
4. Set the Function Switch to the Ω position.
Set the Range Switch to the 20Ω position.
Set the Mode Switch to the TRAC(Model 3075 only position
5. Adjust R37 so that the display on the LCD reads between 0.03Ω and 0.05Ω .
The display of "-.00" is not allowed.
6. Make sure that 10Ω is displayed accurately on the 20Ω range.
- 7 The fuse used for the adjustment should be furnished with the instrument.

(4) Check of output current for insulation resistance ranges for Models KMP3010, KMP3050 & KMP3075



Function Switch	Resistance Box
500V	500KΩ
1,000V	1MΩ

Check 500KΩ only for Model 3010
 Check 1MΩ only for Model 3050 & Model 3075

1. The monitor should be set to the DC2mA range.
2. Set the Function Switch to the 1,000V position.
 (no setting for Model 3010)

Note: Where output current is more than 1mA, there is no need for the bar graph to reach the "over level" (X) position. It should come to at least this position.



3. Set the Range Switch to the 20MΩ position.
4. Set the Mode Switch to the TRAC(Model 3075 only) position.
5. Set the resistances of the resistance box as shown in the table and make sure that output current is between 1mA and 1.3mA.

SYM.	DESCRIPTION	SPEC	QUANT.	SYM.	DESCRIPTION	SPEC	QUANT.
IC2	IC	MC34063(IR3M03A)			METAL GRAZE RES.	1/2W 22MF	1
1	"	TLC27M2CP		R29	"	1W 100kF	1
				R47,53		1/2W 1.1MF	1
TR1,6	TI	BC337	2			2W 110kJ	
TR2,3,5,7		BC327	4			3W 200kJ	2
D1	Z	BZX79C5V1	1	R46		2W 27F	
		Si.DIODE	8			1/4W 82F	
		"	7	R54		" 120kF	
D5,15,24	Si.DIODE	TFR1T	3			KVSP637A B5k	1
D19,20	"	1N4007				2W 10kJ	1
D7	ZENER DIODE	BZX79C15			JUMPER		1
D18	"				SUM-3		
X1	BUZZER	CB24PAC		FUSE	FUSE	S501F 0.5A/250V	1
T1	TRANSFORMER	65-1110					
L1	INDUCTOR	LHLC06TB101KH	1		METAL FILM RES.	1W 97.6K	1
SW2,3		KYORITSU	2				
1		8R2022	1				
C1,14,16		0.1 μ F/25V	3				
C2,11			2				
C3,8	MKT CAP.	370 35103	2				
C7	MULTI-LAYER CAP	0.47 μ F/25V	1				
C4	CERAMIC CAP.	2200pF/2kV	1				
C3	"	4700pF/2kV	1				
?	MF CAP.	0.047 μ F/630V	2				
	ELECTROLYTIC CAP.	10 μ F/16V	1				
		1 μ F/50V	1				
	無極性電解	1 μ F/50V	1				
		1/4W 47kJ	4				
R5,6,17		"	3				
R43		470J	1				
R26,44			2				
R9,32		"	2				
R31,48,55			3				
R23			1				
R49			1				
R19	M	1/4W	1				
R39			1				
R35			1				
R15,36			2				
		1W	1				
		1/2W	1				
		1/2W	1				

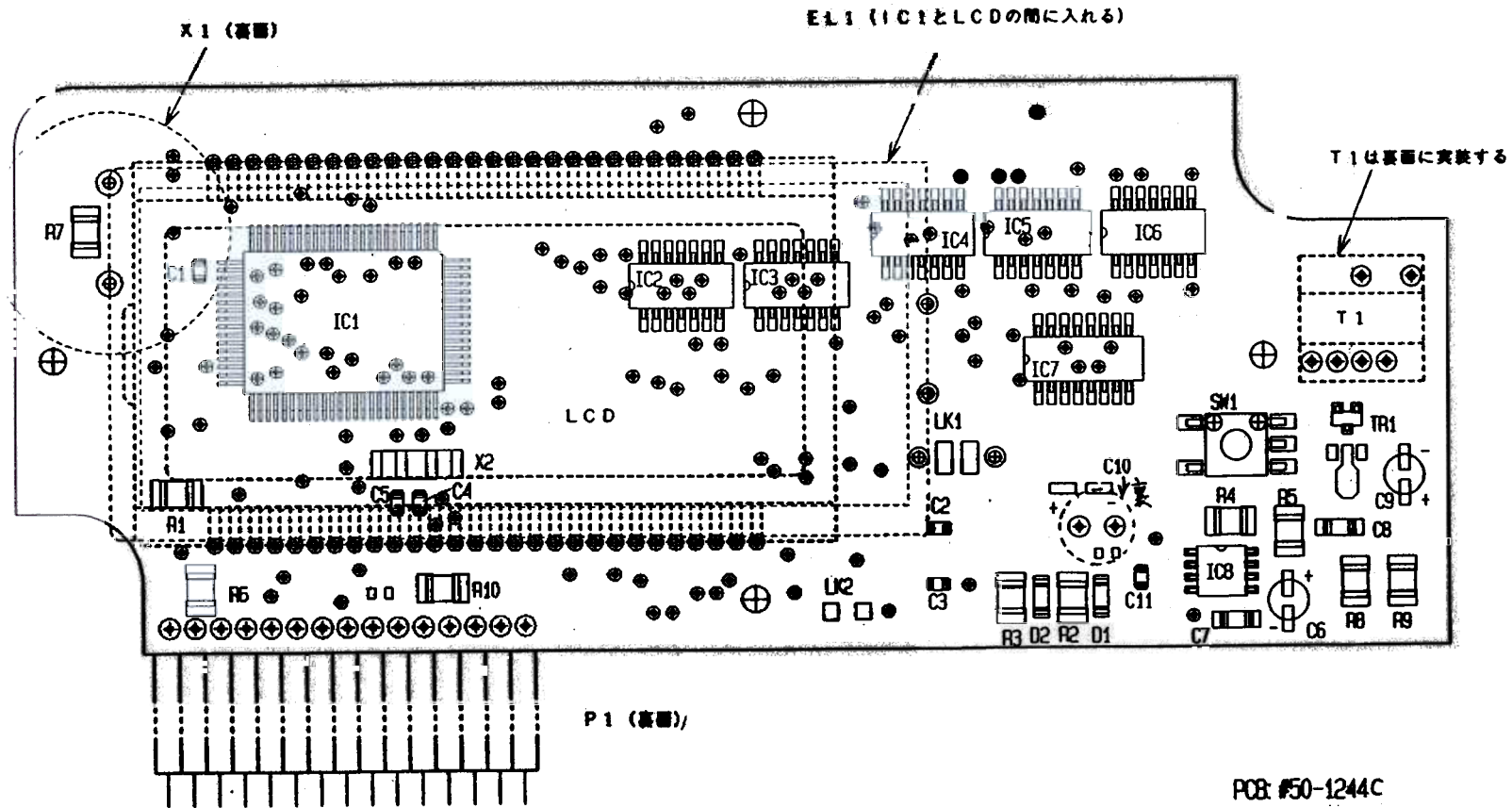
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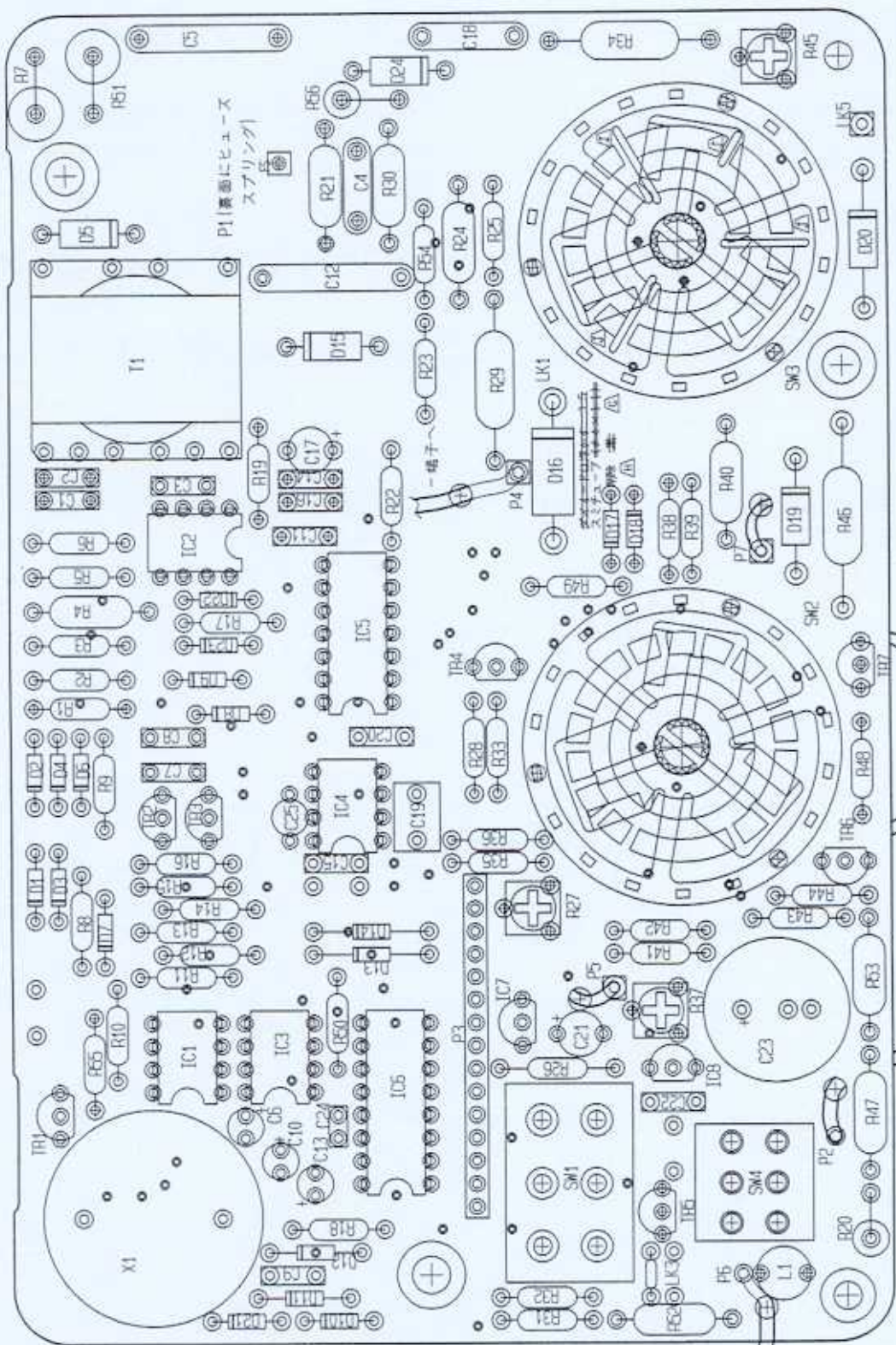
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図号	名	種別	日付	枚数
A	PC変更により修正	大石	1993.05.01	1/4
C	部品位置変更	及世	1995.11.01	1/1



記号	数量	記号	担当者	社名	承認
△	1	回路、基板変更により書き直し	大石	1993.05.28	河本
△	1	スリットチップ追加	大石	1993.09.16	藤田
△	1	016変更、スリットチップ削除	秋本	1993.12.25	河本
△	5	PCB加工リット幅変更	大石	1994.07.29	藤田

出図
9.9.29



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ヒューズ挿点へ

+端子へ

