

Type 545, Mod. 112

High Temperature Operation

Additional parts required for High Temperature modification in Type 545:

<u>Quantity</u>	<u>Description</u>	<u>Part Number</u>
1	K540-DC1 mod. kit 50-400~ operation	040-116
1	Power transformer	special
1	Thermal cut-out, 137°F	260-120
1	Delay line, high temp.	special
1	Plate & grid line	special
	Silicon rectifiers & special mounting	special

545 S-12

Mod. 112

Hi-temperature operation

\$1600.00

Transformer wound with nominal voltage of 120V. DC fan motor with increased air flow. Higher temp. polystyrene rod for delay line core, enabling inst. to withstand higher storage temp. Thermal cut-out which allows instrument to run at ambient temperature of 52° C. - Special delay line - plate & grid line in V.A.



MEMO

000-125

To Chris Christensen Department Customer Service Date Mar. 18, 1960
cc: Justine Dillard
Subject C.E. Spare Parts List for 545-812, Mod. 112

Chris:

Here's the parts list we discussed on the phone. As I mentioned there were only two Type 545's, Mod. 112 built. It seems a little extraordinary to be supplying spare parts in the quantities they have indicated. Most certainly the field engineer involved should investigate and see what's behind this before it's ever filled.

What they are going to do with 1250 CRT deflection plate connectors is beyond me!

Name Chuck Nolan/dvm Dept. Special Products

Recomm

STD D.L. COILS 8HRS @ 85°C

4 CYCLES
8HRS -65°C

4-25-60

CUSTOM MODIFICATION

INST 545 **MOD** 112 (S-12)

Based on the information I could gather 4-10-70, the following parts list should completely cover the Mod as built for S/N 10080 and 10082 shipped 3-11-58.

Brief Description: (Hi-Temp mod).

1. Special transformer (Export).
2. DC fan mod (DC-1)
3. Silicon rectifiers
4. Special delay line and amplifier lines (Hi temp core - now standard usage).
5. 137° thermal cutout.
6. Special panel (S-12)

PARTS LIST:

Qty.	Part No.	Description
1	120-0086-00	Export transformer
1	260-0120-00	137° thermal cutout
1	*040-0255-00	DC fan kit *With 050-0434-00 fan motor.
1	040-0395-01	Silicon diode kit
1	*631-0407-00	Grid line assembly
1	*636-0414-00	Delay line assembly

*Coil forms changed to Hi Temp material for mod and re-partnumbered. Later after S/N 20000 the standard coil forms were changed to Hi temp materials so for future replacement use standard P/N or assemblies as listed in parts list.

108-0188-00 to 108-0135-00
 108-0189-00 to 108-0139-00
 108-0190-00 to 108-0145-00
 108-0191-00 to 108-0176-00
 108-0192-00 to 108-0177-00

All parts shipped as replacements are available from CMS and are priced in NPR

Ken Hedin
CME

APPR. ENG.
APPR. PLT.

DATE
DATE

545 Mod 112 (S-12)

PAGE ____ OF ____
REV.

SPECIAL QUOTATION

Instrument (or part)

545-S12

Contact

Customer

G. E. Syracuse

Mod. No.

435 112

Date: 1/21/58

Quoted Shipment Delay:

Date of Order: 12/23/57
Shipped 3/11/58 Inv. 13565
S/N 10080, 10081

MODIFICATION

Hi Temp. 545-S12

Mods:

Change Design center - xformer

D. C. fan mod (DC-1)

Silicon Rectifiers

Special delay line (hi temp.)

& amplifier lines (grid & plate)

Thermal Cut-out - 137°

Special Panel, Rect. mt. etd.

N/C
\$ 40.00
50.00
25.00

N/C
\$ 115.00
35.00
\$ 150.00

Cost

Customer Price

\$150.00 add'l.
\$1600.00 total

1/21/58

545-S12

435 112

G. E. Syracuse

12/23/57
Shipped 3/11/58 Inv. 13565
S/N 10080, 10081

Hi Temp. 545-S12

Mods:

Change Design center - xformer

D. C. fan mod (DC-1) ~~S~~ ~~FORMER~~ X FORMER \$

Silicon Rectifiers

Special delay line (hi temp.)

& amplifier lines (grid & plate)

Thermal Cut-out - 137°

Special Panel, Rect. mt. etd.

N/C

40.00

50.00

25.00

N/C

\$ 115.00

35.00

\$ 150.00

120-084

\$150.00 add'l.
\$1600.00 total

106-056