

**RELEASE FOR
TRANSFERRED
PRODUCTION**

IN BRIVE OF TYPES:

D14-10GP

M E D E D E L I N G

De oscillograafbuis type D14-10GP heeft op 4-4-1977
"Release for transferred production" verkregen voor
het produktie centrum Brive.

Drs. R.R.P. Varekamp.Kopie de H.H.:

Direktie : Dr.v.Duuren.
Ontwikkeling : Ir.Peper, Ir.Groenewegen
Fabrikage : Ir.v.Suylen, Radstake, Ir.v.d.Veen.
C.A. : Weijer, Modderman, Ir.Mulder.
Kwal.Lab. : Wassenaar, Vrenken, Honig, Sieben.
F.V. Elcoma : Huizen, Thijssen.
T.E.O. : Ir.v.d.Putten, Stolte.
Prod.Bur. : v.Kruysdijk, Verbakel.
Gem.Bel. : Matthijsen, Mulder.
V.O.B. : v.Buul.
Adm. : Quadflieg, Hepping.
C.P.D. : v. Geffen.

J. Wassenaar RE,

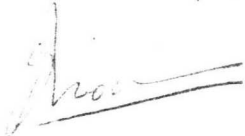


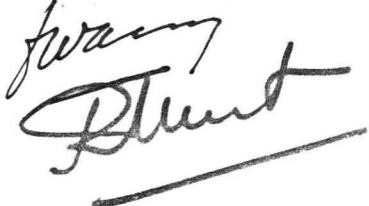
THE UNDERSIGNED AGREE TO

**RELEASE FOR TRANSFERRED
PRODUCTION**

OF : INSTRUMENT CATHODE-RAY TUBE.

TYPE : D 14 - 10 GP.

PRODUCTION CENTRE : BRIVE

<u>NAME</u>	<u>DEPARTMENT</u>	<u>SIGNATURE</u>
Mr. Modderman.	COMMERCIAL DEPT	
Ir. Groenenwegen.	DEVELOPMENT DEPT	
Mr. Radstake. Mr. Bru.	MANUFACTURING DEPT	
Mr. Wassenaar. Mr. Menet.	QUALITY LABORATORY	

DATE 4-4-'77.

ONDERWERP : Release for transferred production D14-10GP.

The C.R.T. type D14-10GP made in Brive is tested in Eindhoven on several parameters according to the test II specification to obtain.

"Release for transferred production" in Brive.

Connected reports give summaries of test and measuring results of the above mentioned tube type.

As can be seen from the results summarised on sheet 2 this type can be given

"Release for transferred production" in Brive.

K.Wassenaar

Copy to Messrs.: v.Geffen

Honig

Mathijssen

Mulder

Peper

Radstake

Schell

Sieben

Varekamp

Modderman

Weyer

Bru

Menet

} Brive.

ONDERWERP: Release for transferred production of type D14-10GP

Summary of test results

- 1) See reports RAR-84/76.064 Test II results batch 1 and 2
76.093 batch 3 and 4
76.107 batch 5 and 6
77.016 batch 7
77.017 batch 8
- 2) Received 8 batches.
Good 5 batches
3 batches good after second control.
- 3) Received 403 tubes
Measured 65 tubes
Good 62 tubes
Rejected 3 tubes 1 tube modulation to high (after repair good)
1 tube short circuit cath./heater(after repair good)
1 tube rasterdistortion.
4. Conclusion
Sufficient information has been collected to conclude that there is no objection against release of the tube D14-10GP for production in Brive.

G.Geevers

TYPE. 314-10.

DATE REPAIR
 REPAIRED
 NEEDED
 GOOD
 REPAIRED
 GOOD
 REPAIRED
 REPAIRS IN BIN
 REPAIRS IN BIV
 GOOD AFTER REPAIR
 GREYLINE FOR HIGH
 INSULATIONS
 HIGH TENSION
 GAS CROSS
 SECURE QUALITY
 BRIGHTNESS TOO LOW
 BLIND SYSTEM
 LEAKAGE QUARTER
 -91, too high/low
 MOUNT. too HIGH.
 IN LOOK
 IT FOR LOW
 QUARTER OF TANG
 PROTECTIVE DISTANCE
 FINE/WHOLE CASE
 BLANKING TOO HIGH
 CONNECTION
 BACK PART OF MOUNT
 FOCUSING, too HIGH/low
 NETION too HIGH/low
 DISTANCE BLINDING
 SPACING
 FULFILLING TONAL
 STRAY POSITION
 DATE ALIGNMENT
 ALIGN. POINT
 LOCALITY
 TOO HIGH/LOW
 WANG TYPE BAR
 LOOSE BASE
 SHORT WIRE ON C/L/LEAK

001	08	0	0	100	1
002	08	0	0	100	1
003	08	0	0	100	1
004	08	0	0	100	1
005	08	0	0	100	1
006	08	0	0	100	1
007	08	0	0	100	1
008	08	0	0	100	1
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028	08	0	0	100	1
029	08	0	0	100	1
030	08	0	0	100	1
031	08	0	0	100	1
032	08	0	0	100	1
033	08	0	0	100	1
034	08	0	0	100	1
035	08	0	0	100	1
036	08	0	0	100	1
037	08	0	0	100	1
038	08	0	0	100	1
039	08	0	0	100	1
040	08	0	0	100	1
041	08	0	0	100	1
042	08	0	0	100	1
043	08	0	0	100	1
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045	08	0	0	100	1
046	08	0	0	100	1
047	08	0	0	100	1
048	08	0	0	100	1
049	08	0	0	100	1
050	08	0	0	100	1

BATCH IS 9000
 BATH IS 9000

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BATCH

ELCOMA

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAA-84/76.064

1

76.03.19

ONDERWERP : Release for transferred production D14-10GP

Batch 1

Test II results code E6B

Received 20 pieces

Measured 5 pieces

Results

Good 5 pieces

Batch is good 20 pieces delivered to the store.

Batch 2

test II results code E6B

Received 30 pieces

Measured 5 pieces

Results :

Good 5 pieces

Batch is good 30 pieces delivered to the store.

G.Geevers

Copy to Messrs.: Honig ✓

Menet

Modderman

Radstake

Varekamp

Wassenaar

ELCOMA

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR-84/76.093

1

76-05-06

ONDERWERP : Release for transferred production D14-10GP batch 2 and 3

Batch 2

Received 47 pieces

L8
code E6C

Measured 5 pieces

Good 4 pieces

Rejected 1 piece modulation too high (after repair good)

Batch is rejected.

Measured 42 pieces on modulation

All tubes good

Delivered to the store after repair 47 pieces

Batch 3

Received 30 pieces

L8
code E6C

Measured 5 pieces

Good 5 pieces

Batch is good.

Delivered to the store 30 pieces

G.Geevers

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Menet

Varekamp

Wassenaar

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ONDERWERP : Release for transferred production D14-10GP batch 5 and 6

Batch 5

Received 80 pieces

Measured 8 pieces (1st sample test)

Good 7 pieces

Rejected 1 piece rasterdistortion

Batch is rejected

Measured 8 pieces (2nd sample test)

Good 8 pieces

Batch is good after second measurements.

Delivered to the store 79 pieces.

Batch 6

Received 40 pieces

Measured 5 pieces

Good 5 pieces

Batch is good

Delivered to the store 40 pieces.

G.Geevers

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Menet

Varekamp

Wassenaar

Received 96 pieces. Measured 8 pieces, good 7 pieces 1 piece short circuit c/h

again Measured 8 pieces, good 8 pieces

Batch is good.

Measurements Tube numbers

Measurements	Tube numbers	\bar{X}	R	Limits	Unit
Distortion +K/-F	638116 617114 618354 617109 618304 617167 617105 618339	0.2	0.2	0	μA
Distortion -K/+F	0.2 0.4 0.3 0.2 0.3 0.4 0.5 0.3	0.2	0.3	0.3	μA
Distortion I	0.2 0.3 0.2 0.1 0.3 0.4 0.2 0.3	0.3	0.3	0.3	μA
II	0.2 0.2 0.1 0.3 0.4 0.7 0.2 0.3	0.3	0.6	0.6	μA
III	0.4 0.4 0.1 0.4 0.5 0.1 0.2 0.4	0.3	0.4	0.4	μA
IV	0.2 0.2 0.2 0.2 0.6 0.2 0.2 0.3	0.3	0.4	0.4	μA
High tension	none none none none none none none none	none	none	none	none
Gascross	" " " " " " " "	"	"	"	"
Screen quality	good good good good good good good good	good	good	See RV 6-4-57/410	
Blind current	2 2 2 2 2 2 2 2	2	2	2	μA
Bundel corr.volt.	+10 -1 -1 12.5 14 20.5 73 73	+2	16	16	μA
IG4	-1 -1 -1 12.5 14 20.5 73 73	-1	0	0	μA
Leakage current ^{tg9}	8 61 65 25/+23 -25/+25 -30/+45 -23/+32 27/+31 -25/+26 -21/+31 -24/+28 -25/+30 9/22	12.6	6	6	μA
Modulation Vg1	61 65 73 73 73 67 63 68	68	12	12	V
Blanking voltage	-25/+23 -25/+25 -30/+45 -23/+32 27/+31 -25/+26 -21/+31 -24/+28 -25/+30 9/22	-25/+30	9/22	-45/+45	V
Rasterdistortion	good good good good good good good good	good	good	good	
Eccentricity Y/X	+4/-5 +1.5/0 -0.5/+1 -5.5/-1.5	+0.9/-0.6	9.5/6	9.5/6	mm
Defl.factor Y	6.4 6.2 6.9 6.1 6.2 6.2 6.6 6.7	6.46	0.8	0.8	V/cm
X	8.0 8.2 8.2 8.2 8.1 8.2 8.1 8.1	8.1	0.2	0.2	V/cm
Focus tension	285 285 280 285 285 285 285 280	284	5	5	210-330 V
Ast.corr.emission	+6 +8 +8 +8 +15 +13 +9 +8	+11	7	7	-49/+49 V
Usefull scan Y	good good good good good good good good	good	good	good	mm

Usefull scan X	good	good	good	good	good	good	good	good	good	good	> 50	mm
High tension g9	good	good	good	good	good	good	good	good	good	good		
Stray emission	good	good	good	good	good	good	good	good	good	good		

G. Geevers

Copy to Messrs.: Hon. G

Menet

Radstake

Varekamp

Wassenaar

ELCOMA

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR-84/77.017

1

77-01-27

ONDERWERP : Release for transferred production D14-10GP batch 8.

Code E6L

Received 60 pieces

Measured 8 pieces

Good 8 pieces

Batch is good.

G. Geevers

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Varekamp
Wassenaar

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