

ECD Number: 98090101 Description: AANPASSING INSMELTLENGTE TYPE D10-391GM/E1: 9467 000 73112
Created by: kzep - was: 197 +1.5/-5mm - - wordt 200 +/-2mm
Date: 05/11/98 - nieuwe insm.ringen (no 10) bestellen
- aanpassing DATA-sheets en meetbladen
REDEN: KLANTVRAAG!

Item Number	Description	UM	Rev	Old	New	Start	End
9467 000 73112	D10-391GM/E1 CATHODE-RAY TUBE	st	1	1	1	01/09/98	
DOCUMENTEN	Nieuw/wijziging	p				01/09/98	

End of Report

Master Reference T Lang Page Comment Data

Engineering Change Orders FV 1 INTERNE MEDEDELING d.d.: 05-11-1998
 *** VAN: INFO-beheer --- W. Thiessen

 AAN: ACCOORD INZENDER
 PRODUKTIE --- P. Aerssens
 ENGINEERING --- J. Schols/J. Schroder/ Fr. od Camp
 KWALITEIT --- R. vd Poll
 LOGISTIEK --- H. Kroon
 CONTROLLER --- J. Florisse
 MARKETING --- K. Zeppenfeld
 MILIEU/VEILIGHEID ---
 *** Betreft: Aanpassing insmeltlengte D10-391GM/E1

 Reden: Klantvraag

Engineering Change Orders FV 2 **
 XX XX XX XXXXXXXX XXXX
 XX XXX XX XX XX XX
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End of Report

INSTRUMENT CRT HEERLEN	PROCEDURE ISO9002/par 4.4	KHP-33-92/030 1994-09-05 Pag. 3 van 3
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BIJLAGE 1

WIJZIGINGSVOORSTEL			
CRT Heerlen BV	Voor wijzigingsprocedure zie KHP-33-92-030	Nummer : <i>98090101</i> Voorsteller : <i>K. Zeppenfeld</i>	
Voorstel heeft betrekking op: TYPE: <i>D10-391 GM/E1</i>		Afdeling : <i>33</i> Datum : <i>17-08-98</i>	
Voor gezien:			
		Naam	Par Afdeling
Omschrijving voorstel:		<i>Aerrens</i>	<i>R</i> Productie
<i>Insmeltlengte 197 +/- 5 mm</i>		<i>Kroon</i>	<i>R</i> Logistiek
<i>wijzigen in 200 +/- 2 mm</i>		<i>Zeppenfeld</i>	<i>R</i> Marketing
		<i>Anden Comp</i>	<i>R</i> Engineering
		<i>od Polij</i>	<i>R</i> Kwaliteits-beheer
		<i>Schoels</i>	<i>R</i> Milieu/ Veiligheid
		<i>Flonwe</i>	<i>off</i> Controller
		<i>Thiessen</i>	<i>R</i> Info beheer
Konsekwentie voor:			
		Prijs bijlage	<input checked="" type="checkbox"/> J <input type="checkbox"/> N
		Voorraad checkl.	<input checked="" type="checkbox"/> J <input type="checkbox"/> N
		Gereedschap bijlage <i>in in ring</i>	<input type="checkbox"/> J <input checked="" type="checkbox"/> N
Reden wijziging:		Milieu/ Veiligheid checkl.	<input checked="" type="checkbox"/> J <input type="checkbox"/> N
<i>Antwoord</i>		Ingangscontrole	<input checked="" type="checkbox"/> J <input type="checkbox"/> N
Voor commentaar verzonden d.d.: <i>18-08-98</i> Retour voor d.d.: <i>31-08-98</i>		Wijziging aangenomen d.d. <i>01-09-98</i> Par./Naam Quality Manager <i>Wlaus Zeppenfeld</i>	

Geautoriseerd:	P. Aerssens	<i>P.A.</i>	DD: <i>30-09-1994</i>
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Meting: insmelt lengte + totale lengte.

	insm.	tot.		Vg1	Mx	My
032 5840 -	200	218		31,7	8,29	5,67
5872 -	200	218				
5664 -	200	218				
5809 -	200	219	- insmelt scheef.			
5501 -	199	217	- roset scheef geplakt.			
5811 -	199	217	- geslepe - braam.			
4785 -	200	218	- roset scheef			
5139 -	199	217	- insmelt scheef			
5613 -	199	218	- roset scheef geplakt.			
5627 -	200	218				
5600 -	198	216				
5824 -	201	218	- braam - geslepe.			
5863 -	199	217	- insm. scheef.			
2949 -	200	218	- schif schuur dies in y.			
4076 -	199	217	- insm. scheef.			
5626 -	201	217	- " "			
5239 -	200	218				
5242 -	201	218	- insm. scheef.			
5817 -	198	217	- roset scheef geplakt.			
5874 -	199	217	- braam insmelt.			
5860 -	201	219	- pompstengel uit te lang.			
5821 -	200	218				
5436 -	200	218				

20-8-90
Schok.

NOTES

1. The deflection plates must be operated symmetrically: floating mean x- or y-potentials will result into non-uniform line width and geometry distortion. The mean x- and y-potentials should be equal; under this condition the tube will be within the specification without corrections for astigmatism and geometry (see also note 5).
2. For some applications a mean x-potential up to 50 V positive with respect to mean y-potential is inevitable. In this case V_{g5} must be made equal to mean x-potential, and a range of 0 to - 25 V with respect to mean y-potential will be required on $g_{2,4}$ for astigmatism correction. The circuit resistance for $V_{g2,4}$ should be $< 10 \text{ k}\Omega$ and $< 25 \text{ k}\Omega$ for V_{g5} .
3. The sensitivity at a deflection of less than 75 % of the useful scan will not differ from the sensitivity at a deflection of 25 % of the useful scan by more than the indicated value.
4. The tube is adjusted by internal permanent magnetic elements for optimum geometry (orthogonality, trapezium and barrel/pin-cushion), brightness uniformity, eccentricity of undeflected spot, and astigmatism.
5. A graticule consisting of concentric rectangles of 68 x 54.4 mm and 66.8 x 53.2 mm is aligned with the internal graticule. With optimum trace rotation correction the edges of a raster will fall between these rectangles.
6. The tube has a trace rotation coil, fixed onto the lower cone part. The coil has a maximum resistance of 235Ω at 80° C . The maximum required voltage is approx. 6 V for tube tolerances ($\pm 5^\circ$) and earth magnetic field with reasonable shielding ($\pm 2^\circ$).
7. Measured with the shrinking raster method in the centre of the screen under typical operating conditions, adjusted for optimum spot size.

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