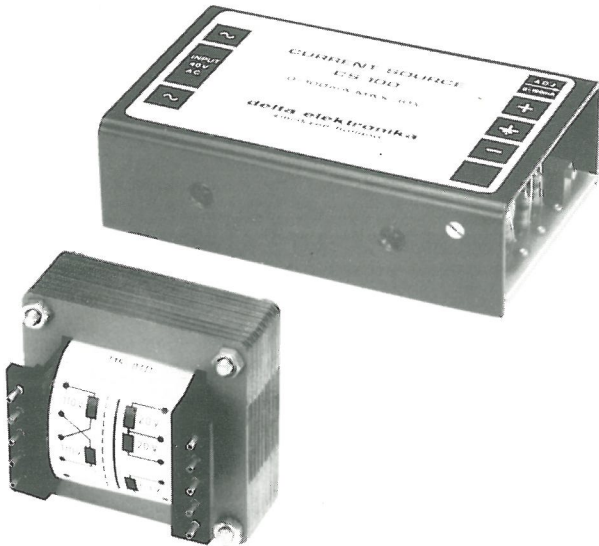




CONSTANT CURRENT SOURCES

3x



470,2

CS 100 MODULE

Current range: 0-100 mA, max. 30 V
Open voltage limit 42 V
Input voltage: 40 V 50-400 Hz
Transformer : T 15-0.1D (110/220V)

CST 100 BENCH MODEL

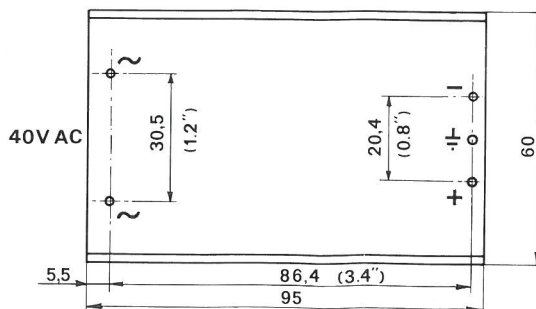
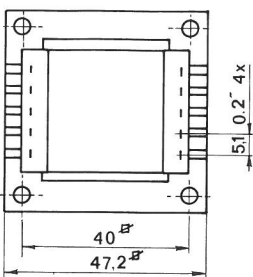
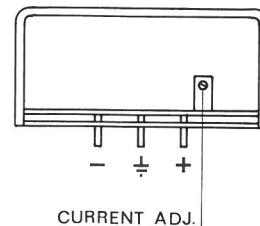
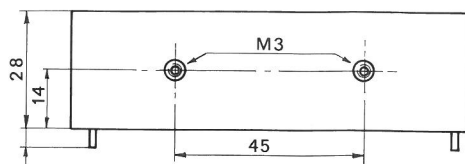
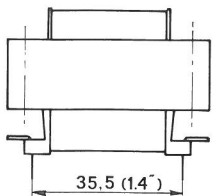
Current ranges: 0- 20 mA, max 30 V
0-100 mA, max 30 V
Current control with ten turn potentiometer
Open voltage limit adjustable from 15 to 30 V
Input voltage: 110/220 V, 50-400 Hz

SPECIFICATIONS

Current regulation	
+/- 10% input voltage change	1 μ A
100% load change	1 μ A
Ripple current, r.m.s./p-p	5/15 μ A
Current temp. coeff., per $^{\circ}$ C	0.005 %
Stability per 8 hours, after 20 min	0.01 %
Recovery time, 0-100% load step	20 μ S
Output impedance: 20 MOhm parallel 4 nF	
Max. ambient temp., full load	50 $^{\circ}$ C

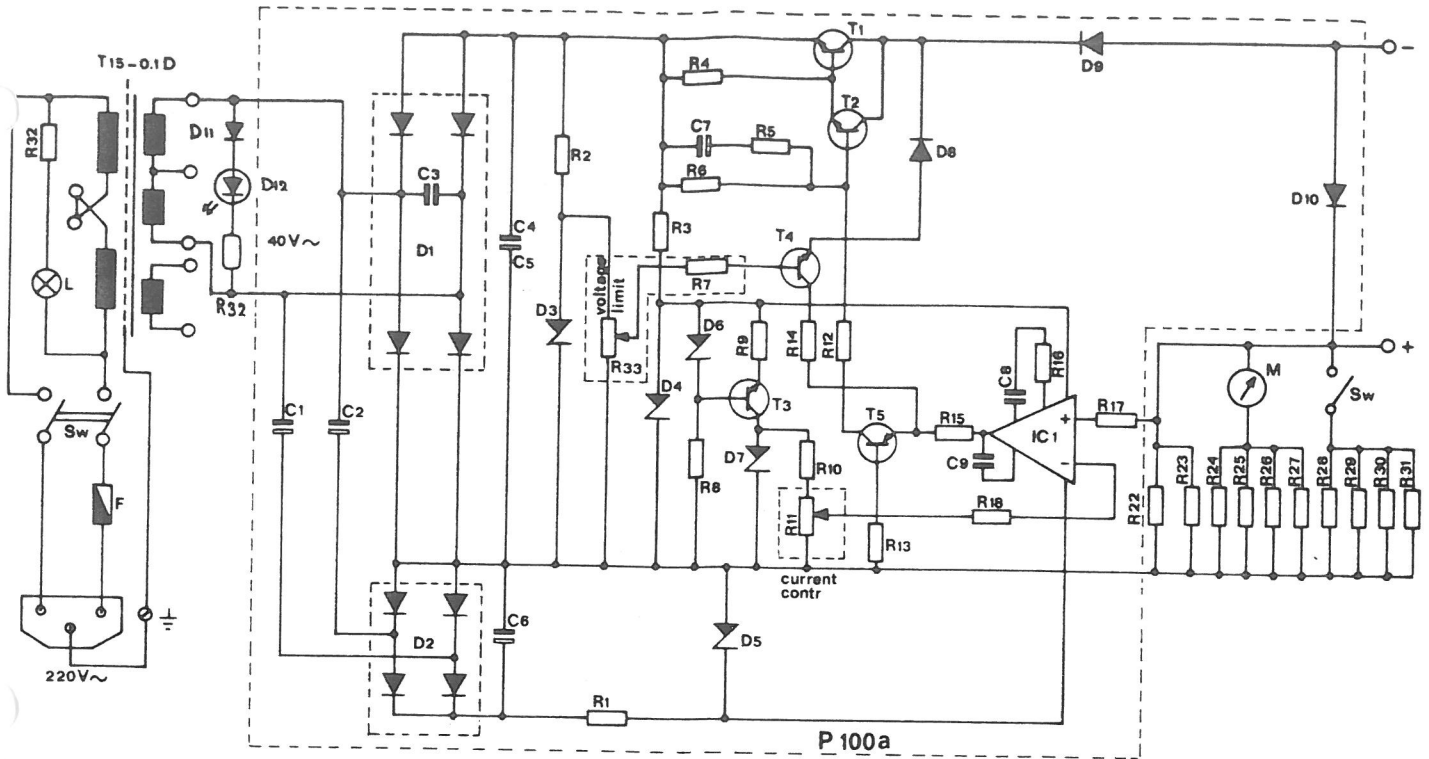
Dimensions and weight:

CST 100:	84 x 138 x 144 mm	1.4 kgs
CS 100 :	95 x 60 x 28 mm	0.13 kgs
Trafo :	48 x 48 x 37 mm	0.25 kgs

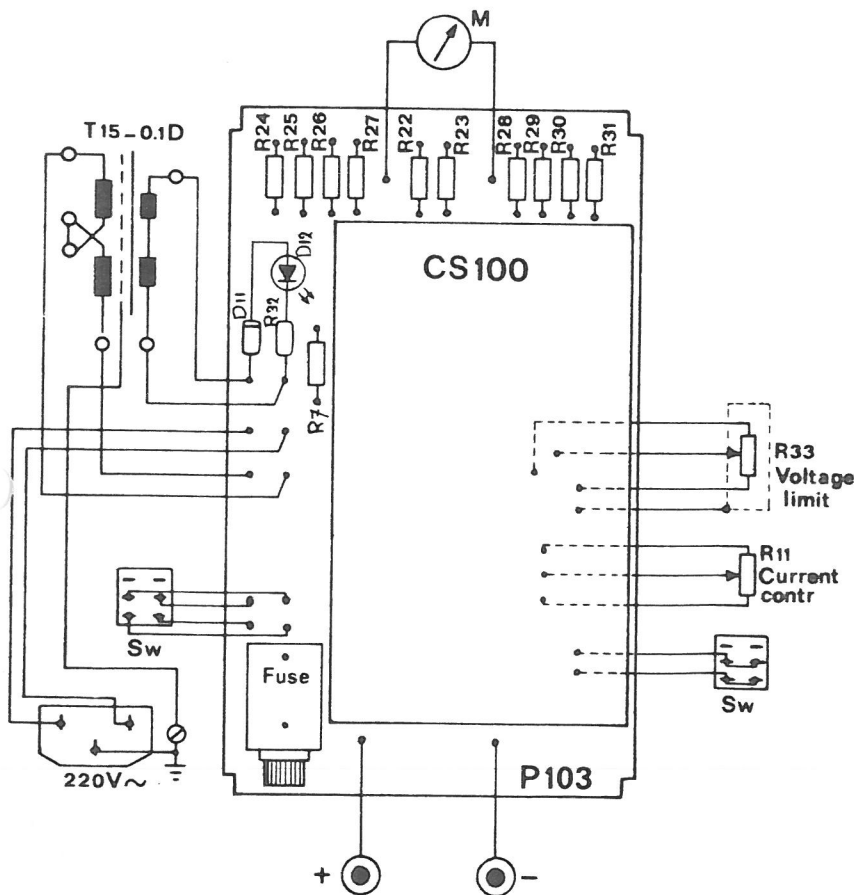


T 15-0.1D

CS 100



Circuit diagram CST 100



R = Ohm

11 = 5 k 10 trn potm.

22 = 270

23 = 3,9 k

24 = CR

25 = CR

26 = 39 k

27 = 5,6 k

28 = CR

29 = CR

30 = 180

31 = 10 k

32 = 3,9 k

33 = 50 k var.

D11 = 1N4148 ITT

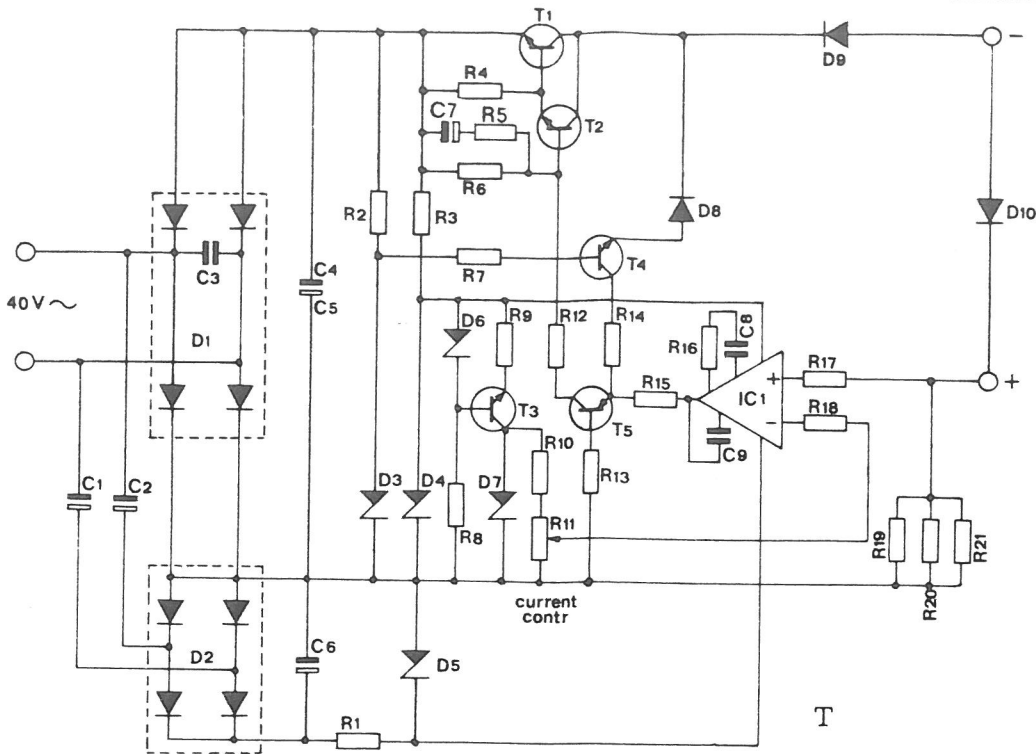
D12 = 133 HR Sloan

All resistors $\frac{1}{2}$ W 2% metalfilm.

CR = Calibration Resistor

Fuse = 250 mA.

			Title: CST 100
D11, D12, R32	1-83	Vr.	Date: July '76 delta elektronika bv
P100a	MH77	Vr.	
Modifications	Date	App.	



T

- 1 = BD 239 A TI
- 2 = BC 546 A Siemens
- 3 = BC 546 A Siemens
- 4 = BC 546 A Siemens
- 5 = BC 556 A Siemens

C (microfarad)

- 1 = 2,2 63 V
- 2 = 2,2 63 V
- 3 = 0,01
- 4 = 100 63 V
- 5 = 100 63 V
- 6 = 22 63 V
- 7 = 2,2 63 V
- 8 = 0,01
- 9 = 0,00022 250 V

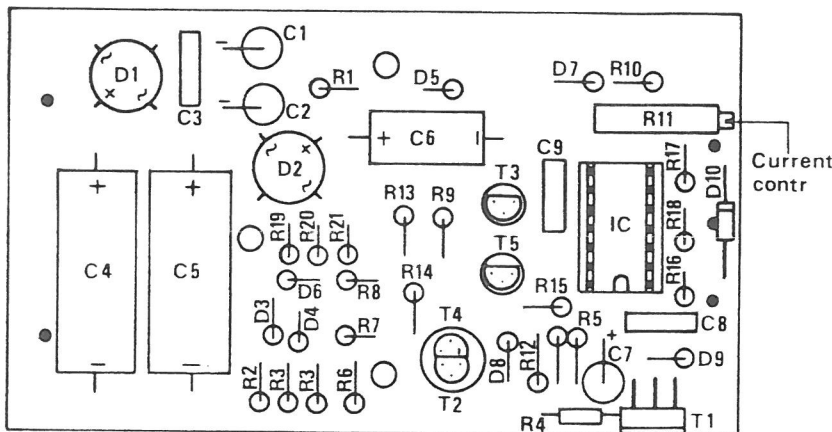
D

- 1 = KB 10 Hermann
- 2 = KB 10 Hermann
- 3 = ZPY 43 ITT
- 4 = ZY 12 IPT
- 5 = ZY 12 ITT
- 6 = ZP 6,2 ITT
- 7 = 1N 825 ITT
- 8 = 1N4148
- 9 = 1N4003 TI
- 10 = 1N4003 TI

IC

- 1 = SN 72709N TI

Resistors 0,4W 2% metalfilm.



P 100 a

R (Ohm)

- 1 = 3,3 k
- 2 = 3,3 k
- 3 = 2x4,7 k 1/2 W 2%
- 4 = 100
- 5 = 2x33
- 6 = 2,2 k
- 7 = 2,2 k
- 8 = 5,6 k
- 9 = 820
- 10 = 1 k
- 11 = 5 k 20 t. cermet potm.
- 12 = 2,2 k
- 13 = 2,2 k
- 14 = 2,2 k
- 15 = 1 k
- 16 = 1,5 k
- 17 = 1 k
- 18 = 1 k
- 19 = 150
- 20 = 150
- 21 = 150

			Title: CS 100
D3	3.83	Ur	
P100a	Mrt 77	Ur	Date: July '76
Modifications	Date	App.	delta elektronika bv

