

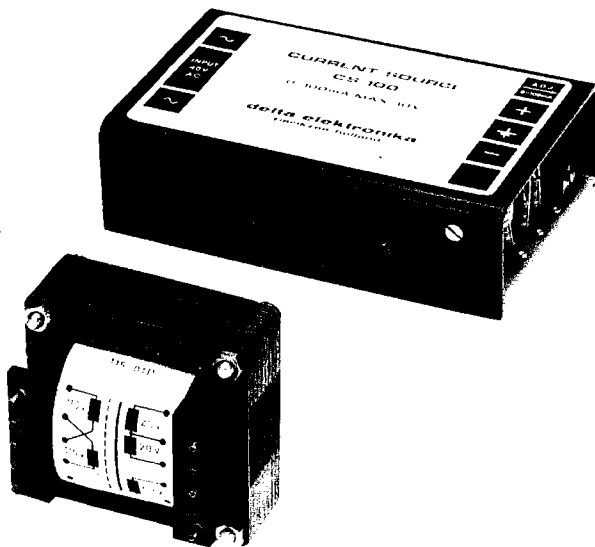
CST 100

DELTA ELEKTRONIKA BV



P.O. BOX 27
4300 AA ZIERIKZEE
NETHERLANDS
TEL. (01110) 3656 TLX 55349

CONSTANT CURRENT SOURCES



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

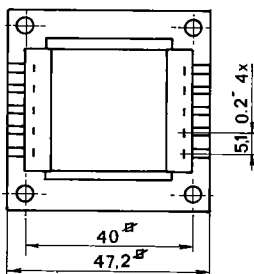
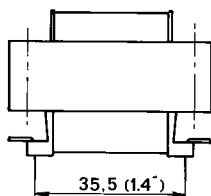


SPECIFICATIONS

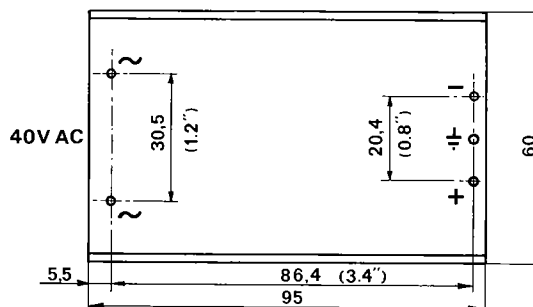
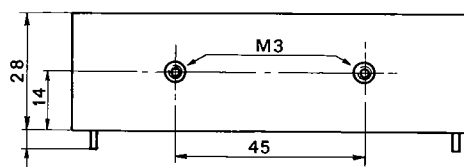
Current regulation	
+/- 10% input voltage change	1 μ A
100% load change	1 μ A
Ripple current, r.m.s./p-p	5/15 μ A
Current temp. coeff., per $^{\circ}$ C	0.005 %
Stability per 8 hours, after 20 min	0.01 %
Recovery time, 0-100% load step	20 μ S
Output impedance: 20 MOhm parallel 4 nF	
Max. ambient temp.,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

Dimensions and weight:

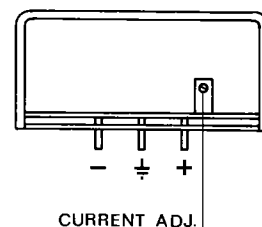
CST 100:	84 x 138 x 144 mm	1.4 kgs
CS 100 :	95 x 60 x 28 mm	0.13 kgs
Trafo :	48 x 48 x 37 mm	0.25 kgs

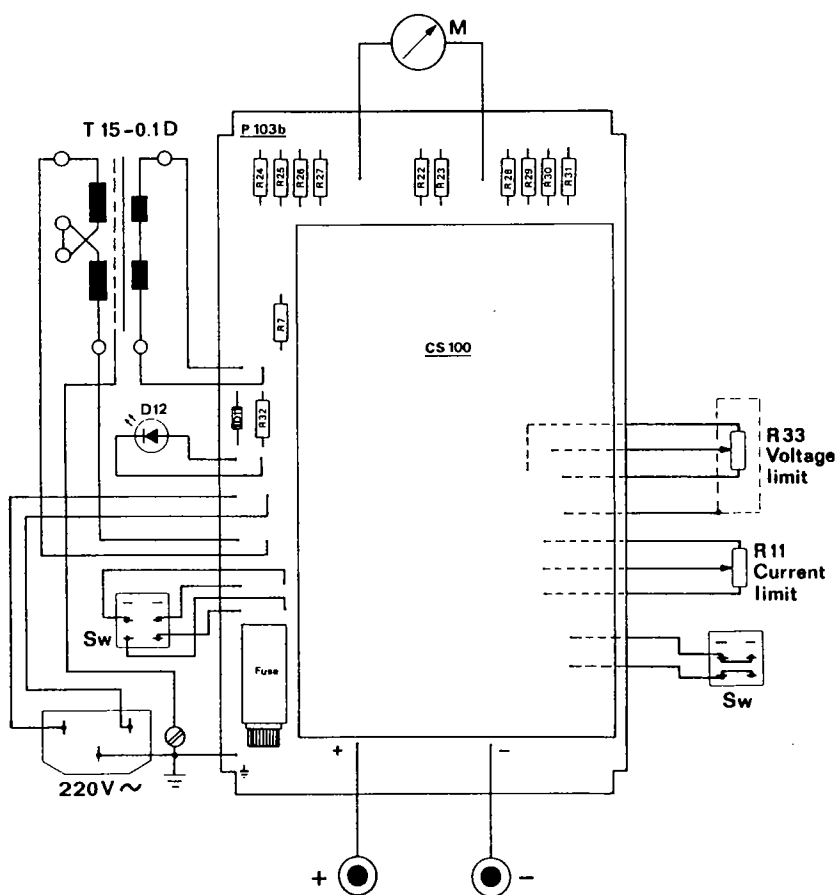
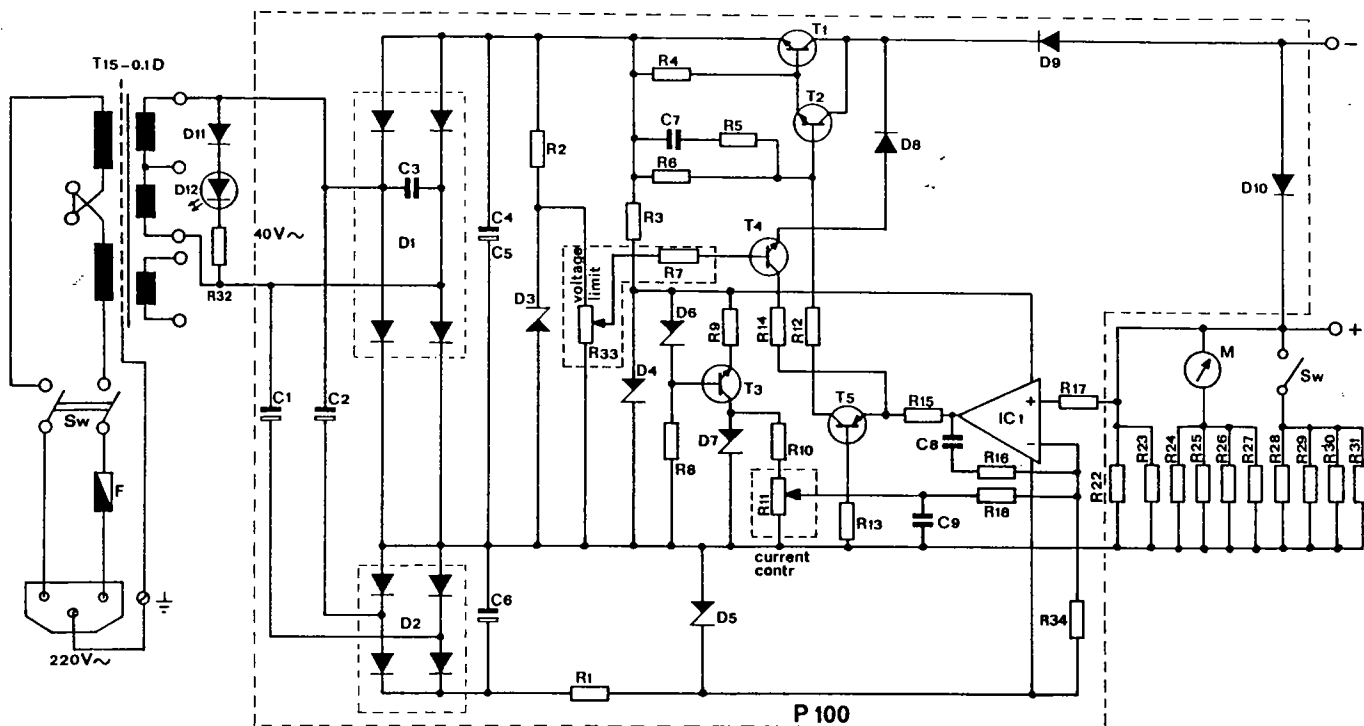


T 15-0.1D



CS 100





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

non specified resistors are MRS 25

MRS 25 = metal film 0.4 W 1%

CR = Calibration resistor

Fuse = 315 mA F

P100b, P103b (R32, D11)	9-'86	Ur	Title: CST 100
D11, D12, R32	1-'83	Ur	
P100a	Mh 77	Ur	Date: July '76
Modifications	Date	App	delta elektronika bv

delta