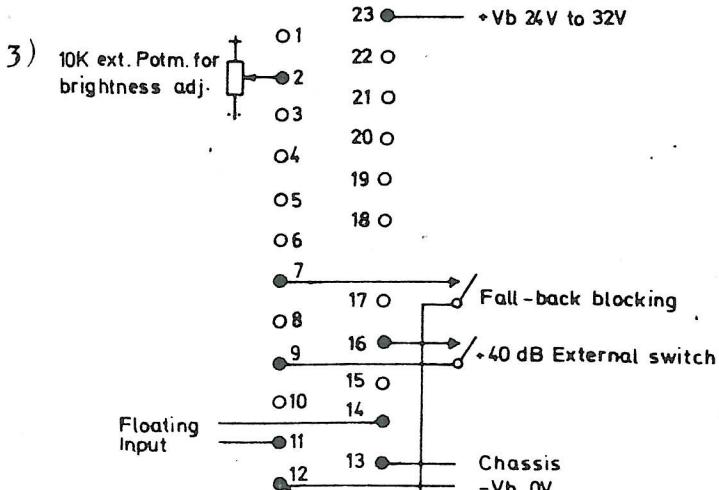
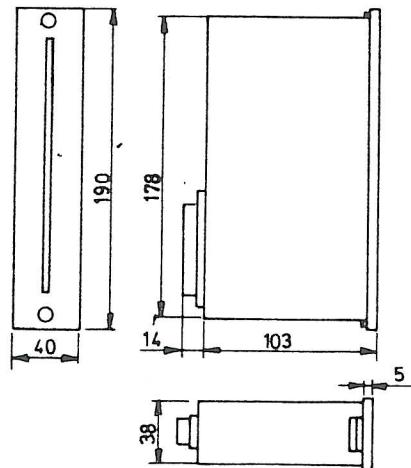


Supply Voltage at nominal light	24V to 32V dc
Maximum Ripple Voltage	0,1 V pp
Current Consumption	Max. 115mA nominal 100 mA
Current Consumption with ext. pot. for brightness adj.	Max. 150 mA - nom. 120mA
Temperature Range	-10 to + 50 C amb. temp.
Frequency Range	20 Hz to 16 kHz. Roll off at 25 kHz - 7 dB 40 kHz - 20 dB
Input Impedance in Freq. Range	20 kOhms \pm 15% balanced floating
Input Voltage for 0 dB Reading 1)	1,55 V rms sine (+6 dBu)
Input Overload Level	8,6 V rms sine (+21 dBu)
Dynamic Measuring Range 1)	+5 to - 50dB
Measuring Errors,	+5 to -10dB Below -10dB
1 kHz Steady Signal, 25°C	\pm 0,5 dB \pm 1 dB
Within Full Freq. Range, 25°C	\pm 0,5/-1 dB \pm 0,5/-2 dB
Within Full Temp. Range 1 kHz	\pm 1 dB \pm 2 dB
Polarity Shift of Unsymm. Wave	0,5 dB 1 dB
Integration Time	10 ms for - 1 dB \pm 0,5 dB
Conforming to DIN 45406	5 ms for - 2 dB \pm 1 dB
and IEC Proposal of	3 ms for - 4 dB \pm 1 dB
Sept. 1970	0,4ms for -15 dB \pm 2 dB
Fall-Back Time, adjustable 1)	0 - 20 dB 1,5 sec.
Additional Gain 1), 2)	40 dB \pm 0,5 dB
Noise Level, Ref. to Input	Better than - 106 dBu (3,8 μ V)
Total Scale Length	148 mm
Standard Scales:	+5 to -50 dB DIN
All Three Types are Available for Horizontal or Vertical Mounting	+5 to -40 dB Linear
Number and Colour of LEDs	+9 to -36 dB "Nordic"
Connector	9 red and 55 green
Mechanical Outline	Tuchel T 2700
	A 1 module see drawing



Rettet d. 6.2.1976

14.1.1975 BM/sch



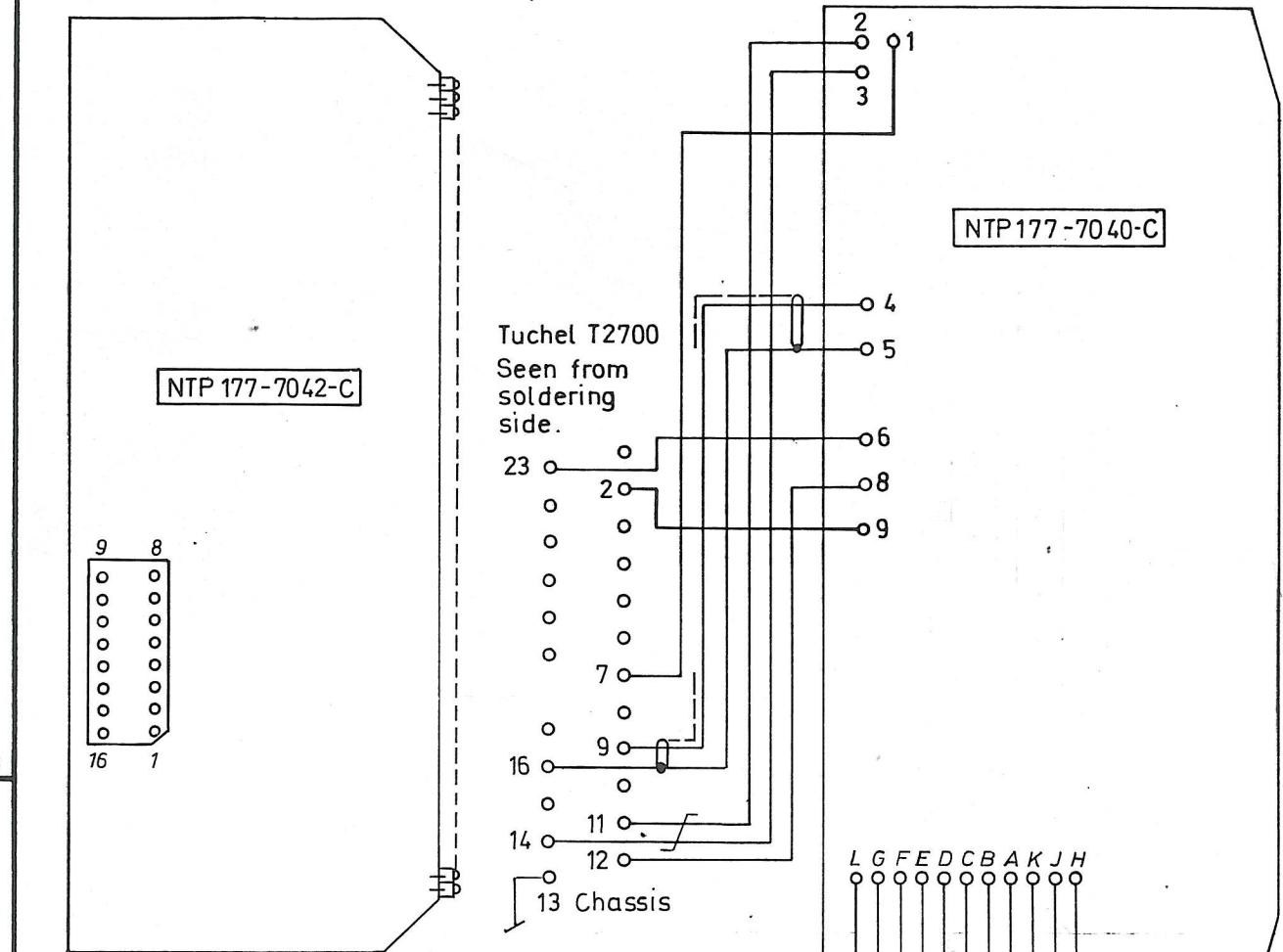
Light Diode Peak Programme Meter
177-710
Technical Specification
Model Summary

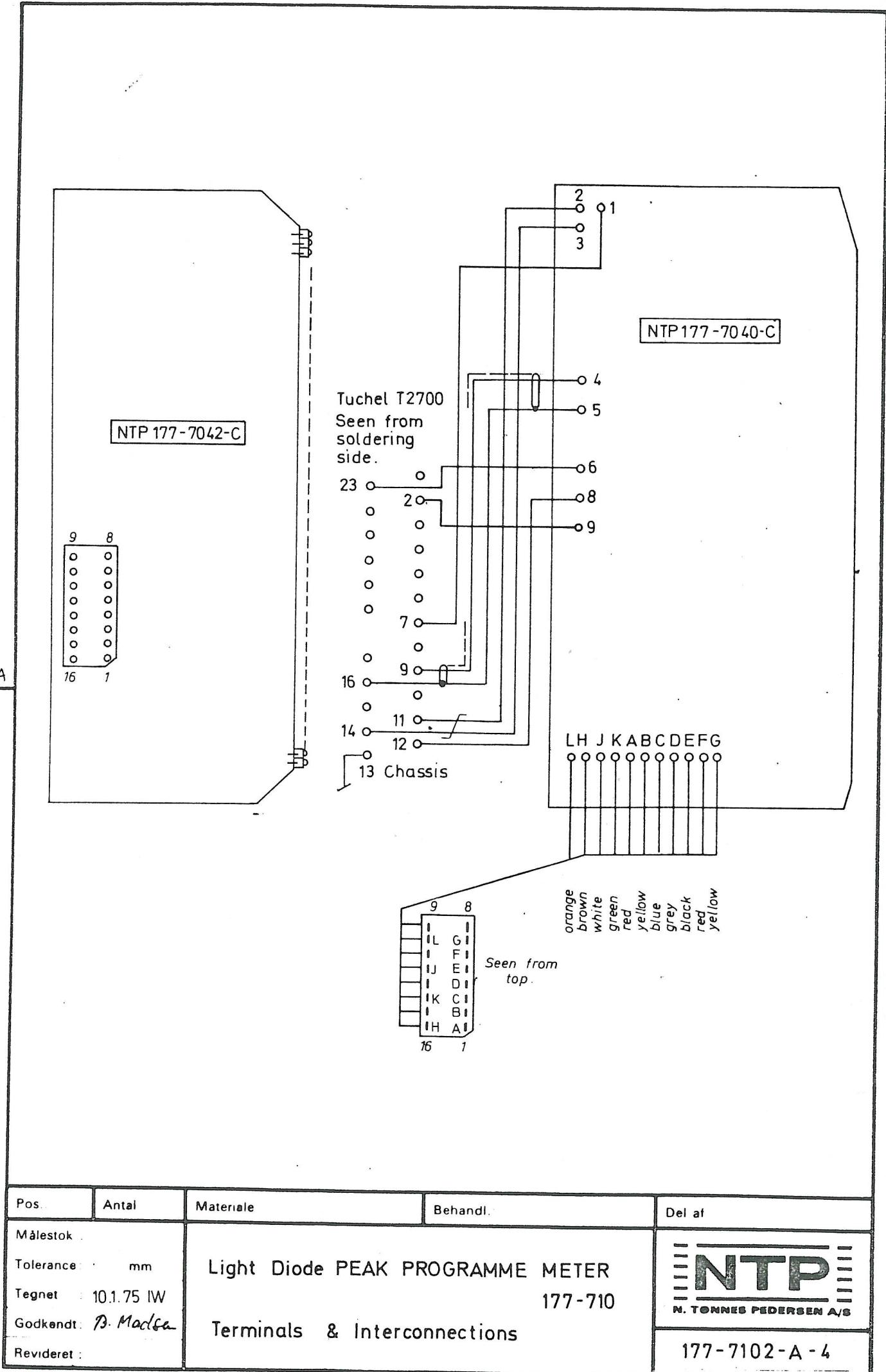
177-7111-A-4
Page 2 of 2

Scale Ref. level for 0dB reading

		Additional Gain	Fall-Back Time
1.	+9 to -36dB "Nordic"	0,775V rms sine(0dBu)	40dB ± 0,5dB 0-20dB 1,5 sec.
2.	+5 to -40dB Linear	1,55V rms sine(+6dBu)	40dB ± 0,5dB 0-20dB 1,5 sec.
3.	+5 to -50dB DIN	1,55V rms sine(+6dBu)	20dB ± 0,5dB 0-20dB 1,5 sec. 0-40dB 2,5 sec.
4.	+5 to -50dB DIN	4,35V rms sine(+15dBu)	20dB ± 0,5dB 0-20dB 1,5 sec. 0-40dB 2,5 sec.

Pos.:	Antal:	Materiale:	Behandl.:	Del af:
Målestok :				
Tolerance : - mm				
Tegnet : 10.1.75 IW				
Godkendt: <i>B. Madfa</i>				
Revideret : 2/6.11.90.				
Light Diode PEAK PROGRAMME METER				
177-710				
Terminals & Interconnections				
177-7102-A-4				





Normally the Programme Meter will stay correctly adjusted, except when a component has failed and been replaced; then it may be necessary to make certain adjustments. Before attempting to make any adjustments, note the permissible indication errors stated in Technical Specifications.

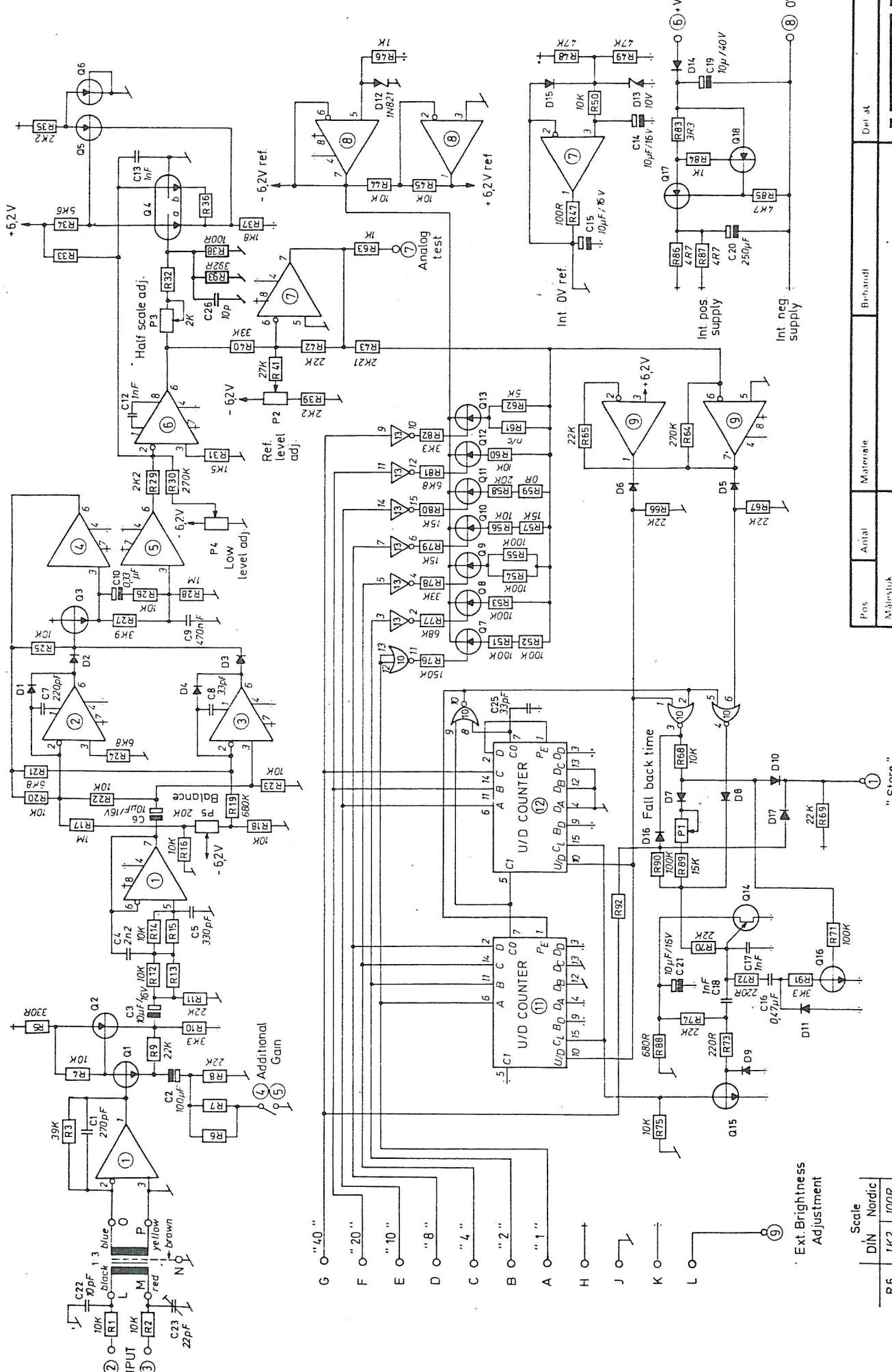
The instrument is furnished with the following potentiometers:

P1	FALL-BACK	Adjusted to correct fall-back time according to model.
P2	REF. LEVEL	" " Correct reading at the high end.
P3	HALF SCALE	" " Correct reading at the middle of the scale.
P4	LOW LEVEL	" " Correct reading at the lower end of the scale.
P5	BALANCE	" " Minimum at the lower end of the scale.

All trimpots. are accessible through the adjusting hole in the top of the PPM.

BM sh
13.1.1975Correct sequence for Amplifier adjustment:

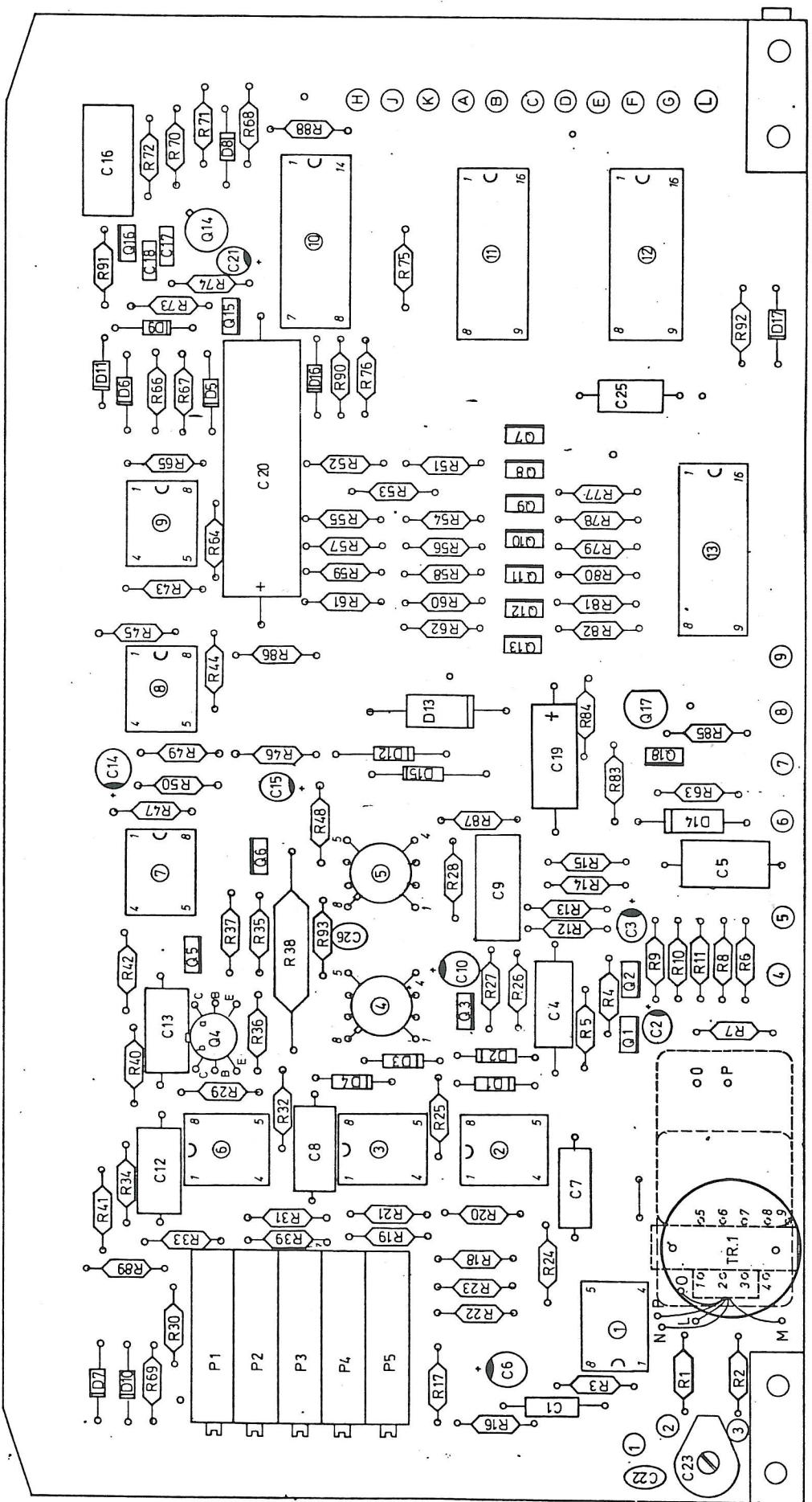
- 1) Apply input signal 1kHz (ref. level), adjust P2 to ref. reading.
- 2) Reduce input signal 20dB and adjust P3 to ref. level -20dB.
- 3) Reduce input signal further 20dB and adjust P5 to minimum.
- 4) Adjust P4 to ref. level -40dB reading.
- 5) Repeat points 1, 2 and 4.
- 6) Adjust P1 to correct fall-back time.



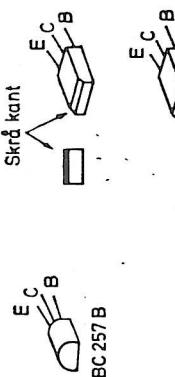
Light Dio
A/D Conv
Diagram

NTP

177 - 7030 - E - 3



Version dependent components:
R6, 33, 92, 32

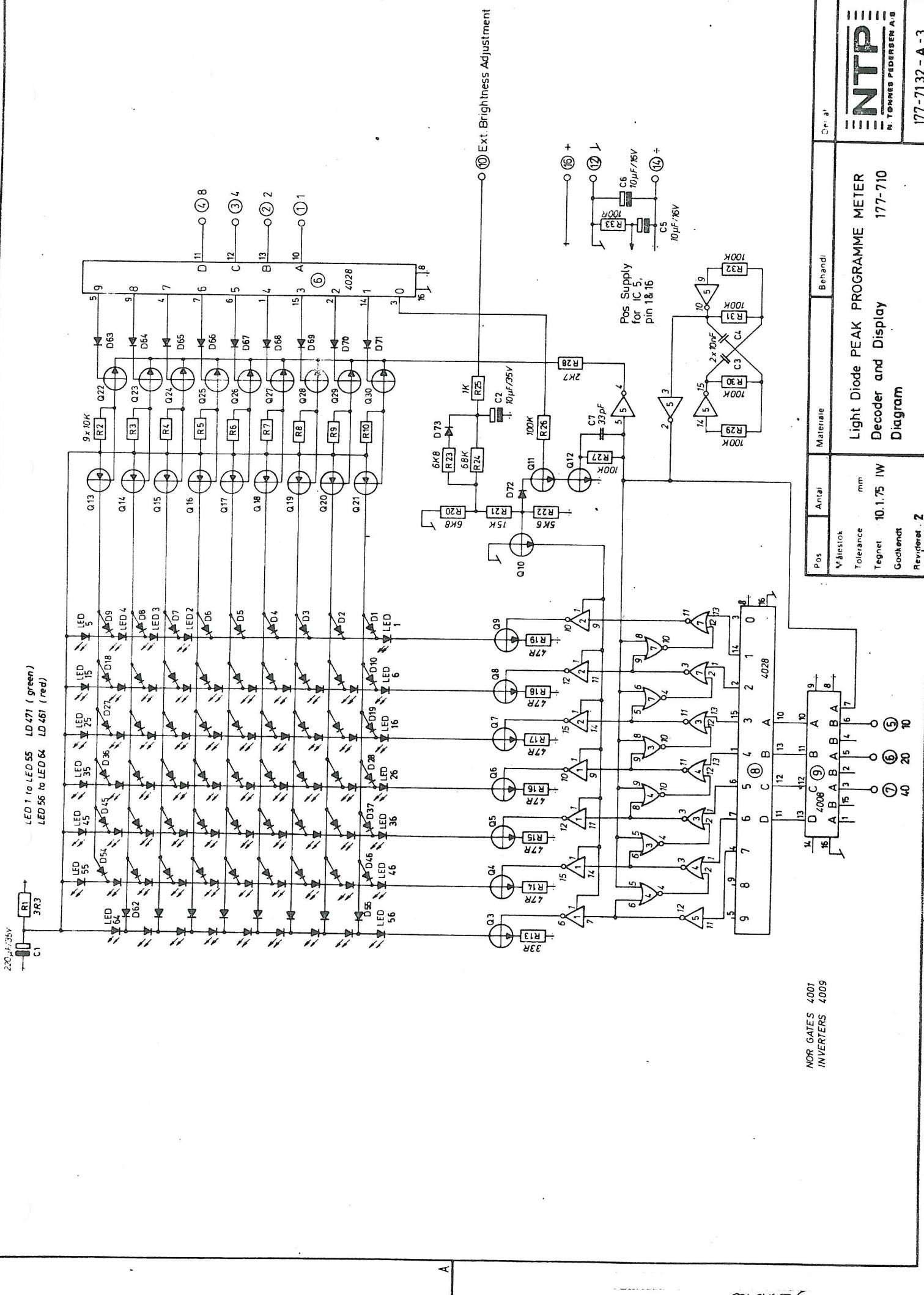


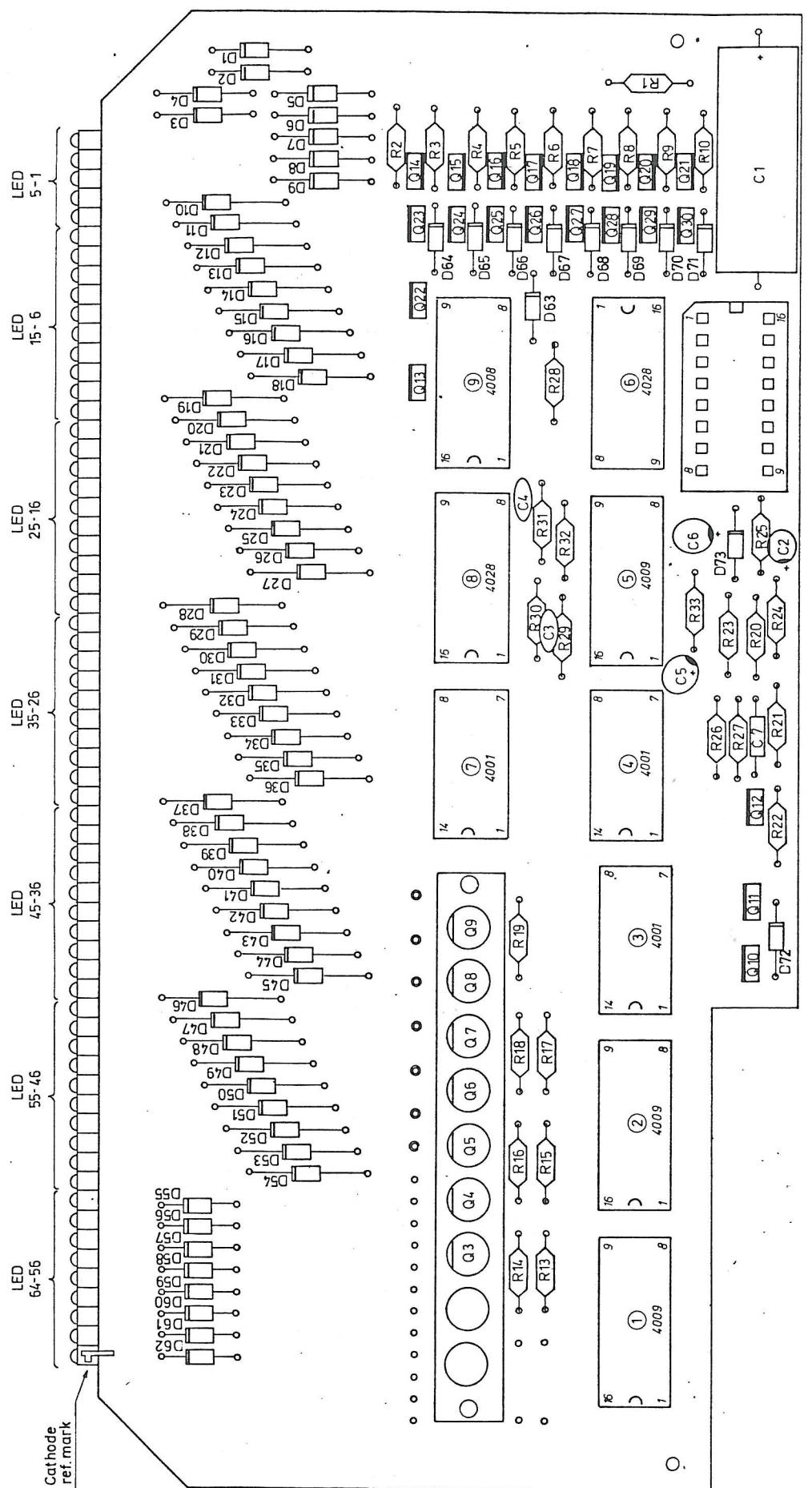
Pos	Antal	Materiale	Beskriftning	Del nr
	2:1			
Målestok		mm		
Tolerans		mm		
Tegnet	5.8.77	IW		
Godkendt	23.11.			
Revideret	2/900720 bb			
			NTP N. TENSE PEDERSEN & S	177-7041-E - 3.

Light Diode PEAK PROGRAMME METER
A/D Converter,
Component Lay-out

NTP
N. TENSE PEDERSEN & S

177-700-B/710
Revideret 2/900720 bb





19.375 HB/1W
Retteiser

Light Diode PEAK PROGRAMME METER
Display Unit
Component Lay-out

Pos Antal Materiale Behandl Dri. a1

2.1 mm

10.1.75 IW

177-710

N. TØNNES PEDERSEN A/S

Revideret 1. 2.

NTP
N. TØNNES PEDERSEN A/S

177-7143 - A - 3