NTP ELEKTRONIK A/S

Bar Graph
Peak Programme Meter 177-800
Technical Specifications

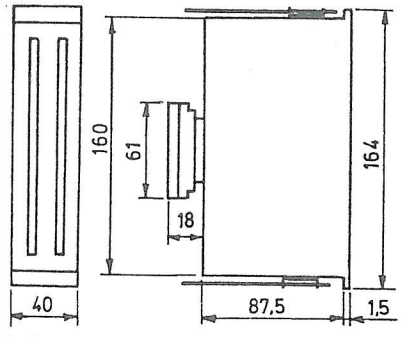
177-8011-A-4

Supply Voltage	24Vdc ± 10% (30Vdc ± 10% at request)	
Max. Ripple Voltage	0,1Vpp	
Current Consumption	approx. 190mA at 24V	
Temperature Range	0 to +45°C amb. temp.	
Frequency Range	20Hz to 16kHz	
Input Impedance in Freq. Range	20kohm ± 15% symmetrical 1)	
Input Voltage for 0dB (+6dB) Reading	1,55Vrms sine (+6dBu)	
Input Overload Level	8,6Vrms sine (+21dBu)	
Dynamic Measuring Range	55dB	
Measuring Errors	+5 to -10dB	Below -10dB
1kHz Steady Signal, 25°C	±0,5dB	±1dB
within Freq. Range, 25°C	+0,5/-1dB	+0,5/-2dB
within Temp. Range, 1kHz	±1dB	±2dB
Polarity Shift of Asymmetrical wave	0,5dB	1dB
10% change of Supply Voltage	0,2dB	0,2dB
Tracking between channels	0,5dB	
Integration Time	10mS for -1dB ±0,5dB	
Conforming to DIN 45406	5mS for -2dB ±1dB	
and IEC Proposal of Sept. 1970	3mS for -4dB ±1dB	
	0,4mS for -15dB ±2dB	
Fall-back Time (adjustable)	0 - -20dB :1,5 secs.	
	0 - -40dB :2,5 secs. ± 0,1	
Overload Indication	a six times increase of the light intensity	
Scale Length	127 mm	
Number of Elements per channel	101	
Colour	Neon Orange	
Standard Scales:	+5 to -50dB DIN	
All Types are available	+9 to -36dB "Nordic"	
for Horizontal or Vertical Mounting	1-7 "BBC" (4 = 0,775V)	
Mechanical Outline	see below	
Colour	black	
Accessories:	10 pole edge connector Type CCL10DV. Spacing: 3,96 mm. Two fasteners for panel-mounting.	

If the Dual-Log. Amplifier is removed, the 177-800 can be used as a dc-voltmeter, with a sensitivity of 1 Volt for Full-Scale-Deflection (10mV resolution). See below for connection.

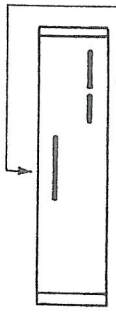
Note 1. Because of the internal floating supply voltage, no input transformers are needed. 40dB common-mode rejection is obtained by differential Op-amp. technique.

Mechanical Outline.



Panel Cut-out
$40^{+0,5}_{-0} \times 160^{+0,5}_{-0}$ mm
Panel thickness max. 20mm.

Connections.



Term No.	P.P.M - Mode	dc - Voltmeter - Mode
1	Power Supply Pos.	Power Supply Pos.
2	Power Supply Neg.	Power Supply Neg.
3	Chassis	Chassis
4	Not Connected	Not Connected
5	Input Ground	" "
6	Bal. Input Left	" "
7		" "
8	Input Ground	Input Ground
9	Bal. Input Right	dc Input Left
10		dc Input Right

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