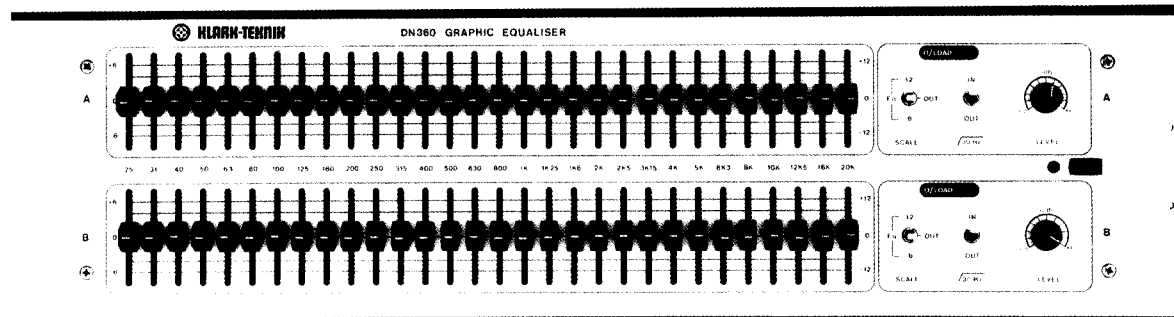


DN360

GRAPHIC EQUALISER

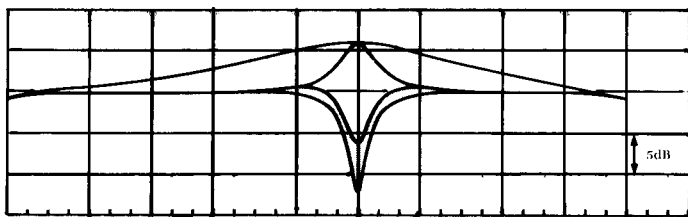
Dual Channel 1/3 Octave Graphic Equaliser

The Klark-Teknik model **DN360** is a dual channel $\frac{1}{3}$ octave graphic equaliser, occupying 3U of rack space. The DN360 features 30mm oil damped precision slide controls which are graphically positioned in two identical rows of thirty ISO frequencies between 25Hz and 20kHz. The active filter sections of this equaliser are thick film engineered proprietary circuits, offering very low noise performance, minimal distortion and high reliability, consistent with the highest specification standards in

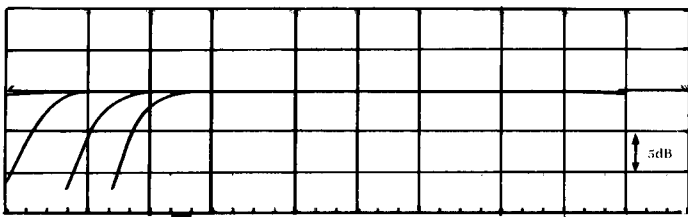


the industry. Only top quality components are used in the manufacture of this product and every unit is bench tested and aligned before burn-in and a performance test.

The unit has XLR terminated electronically balanced inputs and unbalanced outputs, with optional transformer balancing and security covers available to order.



Flexible variable-Q combining filters achieve wide ranging control at any centre frequency.



Typical range of L/E responses achieved by combining subsonic and equaliser filters.

Features

- Two x thirty 30mm oil damped precision faders graphically positioned at $\frac{1}{3}$ octave ISO frequencies between 25Hz-20kHz.
- All new circuit designs utilising "MELT" filters giving unbeatable performance.
- Comprehensive standard specifications include electronically balanced inputs and LED overload indicators.
- Earth lift switch enables signal and chassis grounds to be isolated eliminating ground-loop problems.
- Useful low cut 18dB/octave filters preventing subsonic components from overloading speakers or amplifiers.
- Equalisation by-pass allowing easy comparison between direct and equalised signals.
- Scale switching gives the choice of either higher slider resolution (± 6 dB) or normal (± 12 dB).
- Perspex security cover available to order, for use in permanent sound installations where system calibration has taken place.



DN360

GRAPHIC EQUALISER

ARCHITECT'S AND ENGINEER'S SPECIFICATION

The equaliser shall provide 12dB* of attenuation and accentuation at 2x30 1/3 octave ISO centre frequencies from 25Hz-20kHz.

*Selectable to 6dB for increased fader resolution.

Each equaliser shall meet or exceed the following performance specifications:

Distortion <0.01% @ +4dBm (1kHz)
Frequency response ±0.5dB (20Hz-20kHz)
Noise <-90dBm (20Hz-20kHz unweighted)
Maximum output level into 600 ohm +22dBm

Each equaliser shall allow for; subsonic frequency attenuation at 18dB/octave, equalisation section by-pass and shall be failsafe, that is the unit shall return automatically to the by-pass condition in the event of power supply interruption.

Each equaliser shall use centre detented slide potentiometers arranged to give a graphical display of frequency plotted against level.

A rear panel switch shall be provided to isolate the signal ground connections, quickly and safely, from the chassis ground.

All audio connections shall be via XLR style connectors and a tamperproof front panel cover shall be available to fit the unit.

The unit shall be capable of operating from a 110/220v ± 12% 50/60Hz AC power source.

The equaliser shall be the Klark-Teknik Dual Channel Model DN360, and no alternative specification option is available.

TECHNICAL SPECIFICATION

Inputs	Two
Type	Balanced (electronically)
Impedance (ohm)	
Balanced	20k
Unbalanced	10k
Outputs	Two
Type	Unbalanced
Min. load impedance	600 ohm
Source impedance	<60 ohm
Max. level	+22dBm
Performance	
Frequency response	
(20Hz-20kHz) Eq out	±0.5dB
Eq in	±0.5dB
Distortion ((@ +4dBm)	<0.01% @ 1kHz
Equivalent input noise	
(20Hz-20kHz unweighted)	<-90dBm
Channel separation	>75dB @ 1kHz
Overload indicator	+19dBu
Gain	+6dB
Filters	
Type	MELT**
Centre frequencies	2x30
ISO	25Hz-20kHz 1/3 octave
Tolerance	±5%
Maximum boost/cut	±6/12dB
Subsonic filter	18dB/octave - 3dB @ 30Hz
Power Requirements	
Voltage	110/120/220/240V 50/60Hz
Consumption	<15VA
Weight	
Nett	4.5kg
Shipping	7kg
Dimensions	
Width	482mm (19 inch)
Depth	205mm (8 inch)
Height	133mm (5 1/4 inch)
Terminations	
Inputs	3 pin XLR
Outputs	3 pin XLR
Power	3 pin CEE
Options	Security Cover Transformer input*/ output balancing

*Input transformer balancing is non retrofittable and has to be specified with order.

**"MELT": Proprietary thick-film circuit.

Trade Descriptions Act: Due to the company policy of continuing improvement, we secure the right to alter these specifications without prior notice.

RELIABILITY CONTROL

Even with the advanced electronic engineering incorporated in this product, each unit is given the full backing of Klark-Teknik's "Reliability Control", which proves each product against a specification consistent with highest professional standards. Precision components are used throughout and every unit is bench tested and aligned before a burn-in period and final performance test.



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