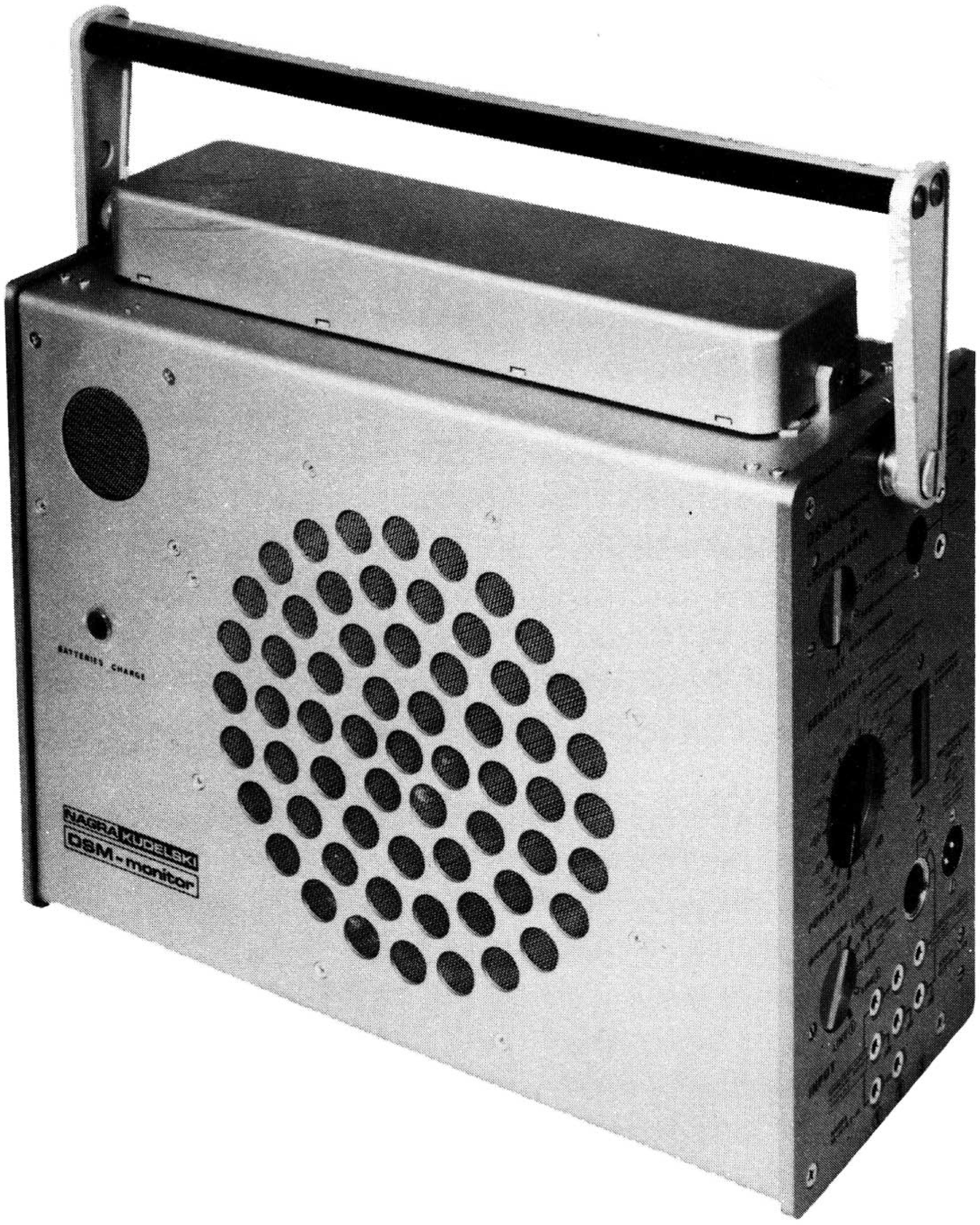
DSM MONITOR



NAGRA DSM PORTABLE BATTERY/MAINS POWERED LOUDSPEAKER

Applications

High quality sound reproduction for mobile installations, playback filming, indepedent powering using rechargeable nickel cadmium batteries. A dynamic microphone input enables the DSM as public address speaker.

Specifications

Powering

- Mains powering 110 to 220 V ± 20 %, 48 to 440 Hz, or - 11 to - 30 V (+ on the chassis), a short circuit protection is incorporated

Consumption

- 20 mA no signal
- 240 mA max signal output
- Nickel cadmium rechargeable battery pack Nagra IACC 12 V 1,8 A/h expected cycle for Speech 9 hours and Music 7 1/2 hours
- The IACC can be recharged by the DSM

Amplifier

Sine power 5,5W when powered by batteries
Sine power 7W when powered by fully loaded rechargeable cells
Sine power 15W min: when powered by external power supply
Music power 25W when powered by external power supply

Frequency range

60 – 15000 Hz ±3dB
external loudspeaker output
60 – 20000 Hz +0dB
-3dB

Loudspeakers

- The DSM is equiped with 2 speakers the cross over frequency being 2,2 kHz
- Low frequency resonance correction for built in speaker giving an extremely flat response curve
- The amplifier can drive an external speaker
- Very efficient speakers ensuring low battery drain

Functions

Loudspeaker

– Flat	Amplifier and loudspeaker
– Max loudness	Bass cut to prolong battery life
– Speech	High pass filter (300 Hz) for better voice rendering
– External flat	For driving an external loudspeaker

Inputs

– Line 1	Transformerless symmetrical input 0,4 V Z = 47 kΩ
– Line 2	Same as Line 1
– Line 3	Assymetrical input 0,1 V Z = 27 kΩ
– SNN	Treble correction for 4,75 cm/s speed
– SNG	Treble correction for 2,38 cm/s speed
– MICRO	Dynamic microphone transformerless symmetrical input 1,6 mV / Z = 1,5 kΩ

Voltage reserve

- Battery reserve indicator

External loudspeaker output

- Loudspeaker socket and banana sockets Z = 8 Ω P = 20

Distortion

- Max. 3 % below 80 Hz and better than 1 % for frequencies above 80 Hz
- Amplifier alone 0,3 % from 60 to 16 kHz

Housing

Manufactured from semihard aluminium, the rear of the housing is reenforced to avoid vibrations. The housing is airtight

Weight

6,3 kg without batteries
7,3 kg with batteries

Dimensions

320 x 130 x 240 mm

Specifications are subject to change without prior notice.

NAGRA KUDELSKI

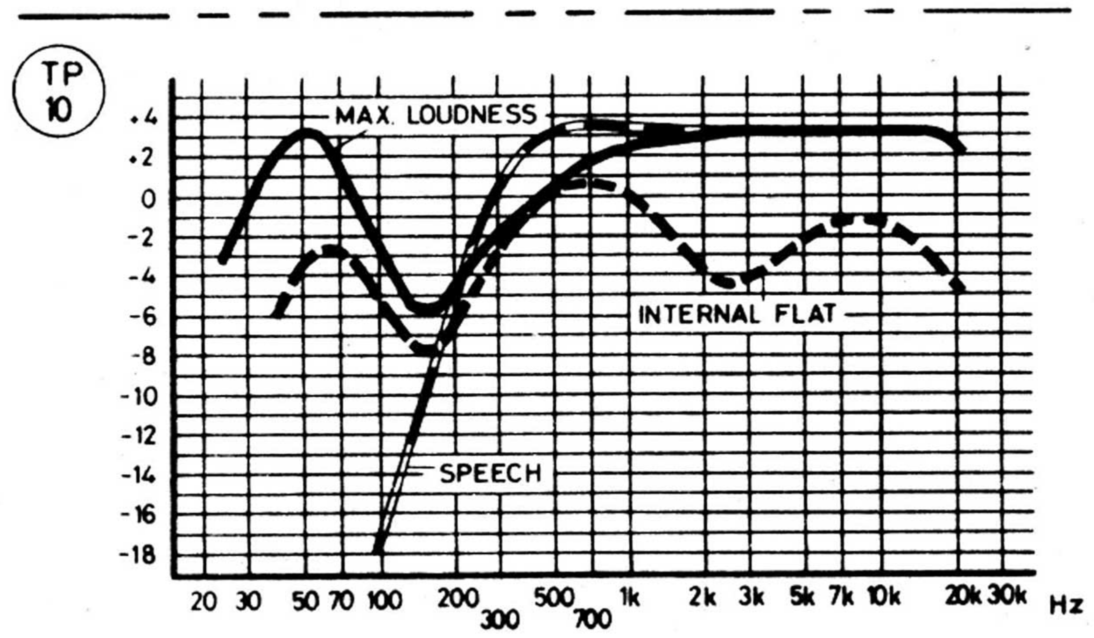
KUDELSKI S.A. 1033 CHESEAUX / LAUSANNE SWITZERLAND, Tél. 021 91.21.21. Telex 24392

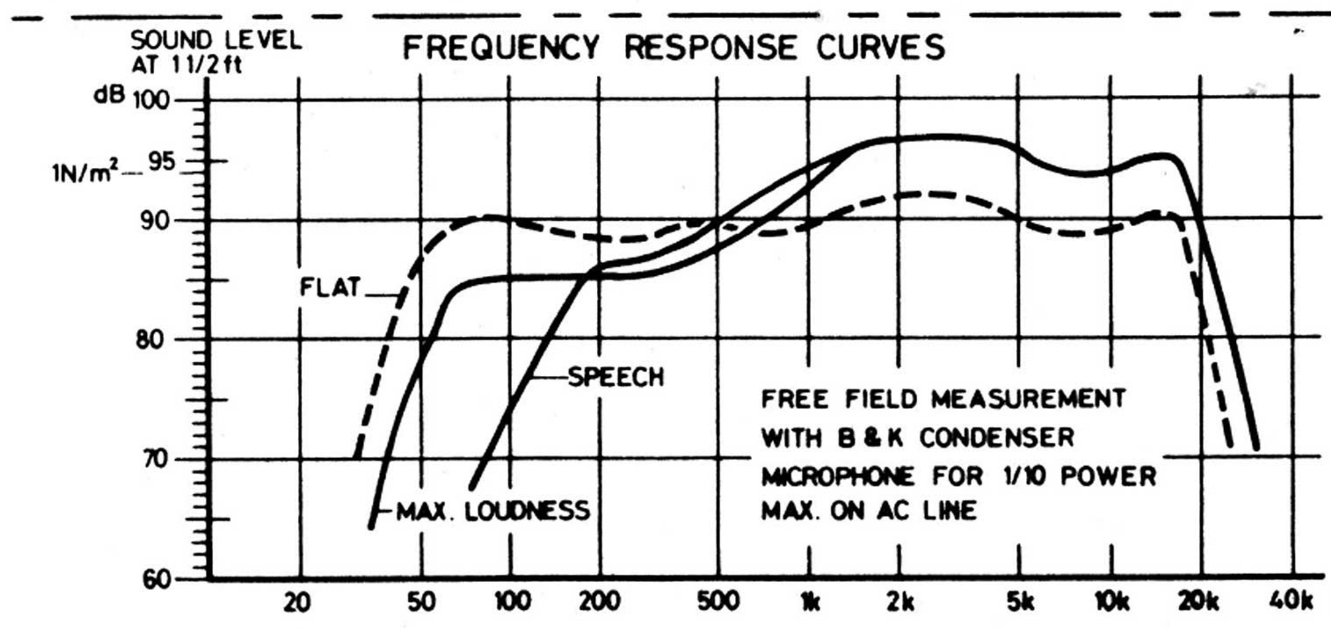
NAGRA Tape–recorders Manufacture–Fabrique d'enregistreurs NAGRA

NAGRA Tonbangerät–Fabrik

Printed in Switzerland by Kudelski S.A. 1.9.1978

SN FILTER
SNS corrected for high speed
R9 220Ω 2%
R10 1,2kΩ 2%
C3 0,1μF 10%
Bridge over R10 is suppressed.





MEASURING INSTRUMENT
DC VOLTMETER 40 000 Ω/V
AC VOLTMETER (e.g. B&K Type 2112 or 2606+1615 or equivalent)

UNLESS SPECIFIED
AC MEASUREMENT, SHOULD BE MADE AT 1kHz FOR 0dB LEVEL
VOLTAGES MAY VARY ±10 %

ALL RESISTORS ALLEN BRADLEY 1/4 W ±10 %
ALL CAPACITORS ±20 %
ALL ELECTROLYTICS CAPACITORS ARE ALUMINIUM TYPE

ALL CONNECTORS VIEWED FROM THE OUTSIDE

KUDELSKI S.A. Dept. NAGRA CH - 1033 CHESEAUX Switzerland	NAGRA MAGNETIC RECORDERS INC NEW YORK, N.Y. 10036 19 West 44 th Street	A1-2-3
DSM	09.14.700.0.00	9.4.76
POWER AMPLIFIER WITH BUILT-IN LOUDSPEAKER		

This drawing is confidential and may not be divulged in whole or in part to a third party