

DIGITAL PROGRAMMABLE AMPLIFIER

Ek SEL 432

2DD

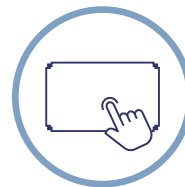
- ✓ Programmable amplifier with ultraselective filters
- ✓ 4 inputs (2 x UHF, 1 x FM, 1 x DAB / VHF-UHF selectable)
- ✓ 2 outputs (TER / TEST -30dB)
- ✓ 32 ultra-selective digital filters
- ✓ Gain > 55dB
- ✓ Output level 120dBuV (45004B) / 131dBuV (IMD3-36dB)
- ✓ Frequency conversion option
- ✓ Automatic gain control
- ✓ Manual programming (display + joystick) and automatic (automatic search and adjustment)

Ek

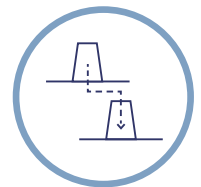
EKSELANS BY ITS



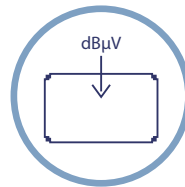
EKSEL 432



MANUAL PROGRAMMING
AND AUTOMATIC



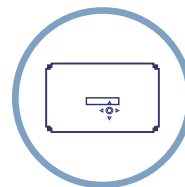
CONVERSION
OF CHANNELS



LEVEL MEASUREMENT
INPUT



AUTOMATIC GAIN
CONTROL



MANUAL PROGRAMMING
(DISPLAY + JOYSTICK)



HIGH
SELECTIVITY



COMPATIBLE SECOND
DIVIDEND



TECHNICAL TABLES

REFERENCE	EKSEL 432		
Code	071011		
	UHF	FM	DAB/ BIII/ UHF
Inputs	2	1	1
Frequency range	470 MHz – 862MHz	88-108 MHz	DAB 195-223MHz BIII 174-230MHz UHF 470-694/790/862MHz
Max. gain	>55dB	35dB	>55dB
Number of filters	32*	-	32*
Channels per filter	1	-	1
Selectivity	>30@+/-1MHz	>20@+/-20MHz	>30@+/-1MHz
Equalizer	0.6	-	0.6
Attenuation control	0...20dB+AGC	0...20dB	0...20dB+AGC
Max. input level	110dB μ V	-	110dB μ V
Max. output level (DIN45004B)	120dB μ V		
Max. output level (EN50083 IMD3 2CH -36dB)	128-131dB μ V**		
Noise figure	-	<6dB	-
Isolation	>35dB@+/-1MHz	>20dB@+/-20MHz	>35dB@+/-1MHz
Preamp. power supply	12V/24V/OFF	-	-
Max. preamplifier energy consumption	***	-	-
Power supply	100-254 V/ 50 - 60 Hz		
Energy consumption	<20W		
Operational temperature range	0...50°C		
USB Port	USB 2.0/3.0 tipo A		
Screen	2 lines, 16 characters		
Connector type	F		
RF output	TER / TEST -30dB		

** Number of filters for UHF inputs. If the DAB input is selected, 6 filters will be assigned to this band and 26 to the UHF inputs