

MICROMATV[®] plus Series

Universal amplification system capable of independently processing up to 10 TV channels (UHF and VHF), as well as the FM signal.

APPLICATION

Suitable for community headends installations of digital and analogue terrestrial TV. The unit is designed to receive signals coming from up to 5 different antennas in medium-to-individual sized installations. The system can be configured according to the number of channels picked up by each antenna.

CHARACTERISTICS

- Includes the Automatic Equalization System "AES", an exclusive function that simplifies the setting-up, since it automatically adjusts the input signals, guaranteeing a perfect output signal. MicroMATV plus can also be manually adjusted.
- Easy to programme through an external Control Unit, UCF 100. All functions are automatically memorised and controlled by a FAGOR Microprocessor.
- Includes a visual level indicator.
- The amplifier has a 24V output and an auxiliary TV signal input.



Supply voltage	230 Vac -15 + 10 %
Current drawn	21 W
Operating temperature range	0 ÷ 50° C

MODEL		MICROMATV [®] plus 1.9			MICROMATV [®] plus 2.8			MICROMATV [®] plus 5.5			
Reference		35465			35485			35445			
Number of inputs		BI / BIII 1	UHF 3	FM 1	BI / BIII 2	UHF 3	FM 1	BI/BIII 2	BIII 1	UHF 2	FM 1
Number of channels		1	9	FM	2	8	FM	2	3	5	FM
Gain		43		53	35		43		53	35	
Independent regulation per channel		25 / 20		20	—		25 / 20		20	—	
General regulation		20		25	20		25		20		25
Selectivity (± 20 MHz)		25		—	25		—		25		—
Noise figure (typ.)		10		5,5	6		10		5,5	6	
Max. input level		95		85	101		95		85	101	
Min input level for S/N >45 dB (opt. picture quality)		BI BIII UHF		dBµV		60 57 53		BI BIII UHF		dBµV	
Operating input level (automatic equalization AES)		BI BIII UHF		dBµV		70 ÷ 95 70 ÷ 90 60 ÷ 80		BI BIII UHF		dBµV	
TV auxiliary input level		dBµV		90		dBµV		90		dBµV	
Auxiliary input frequency range		MHz		47 - 68; 130 - 862		MHz		47 - 68; 130 - 862		MHz	
Auxiliary input gain		dB		17		dB		17		dB	
Output level DIN 45004B (-60 dB)*		dBµV		116		dBµV		116		dBµV	
IM2 (-60 dB)		dBµV		116		dBµV		116		dBµV	
Output level: 10 channels		dBµV		109		dBµV		109		dBµV	
Isolation between inputs		UHF - UHF UHF - VHF /FM		dB		>30 >60		UHF - UHF UHF - VHF /FM		dB	
24 Vdc output		mA		30		mA		30		mA	
Packing dimensions		mm		345 x 280 x 87		mm		345 x 280 x 87		mm	
Weight		Kg		3		Kg		3		Kg	

*FM: DIN 45004B (-30 dB).