

WELCOME TO

full integration



Amplification

- ▶ RF CHANNELS
- ▶ ADJACENT CHANNELS
- ▶ DIGITAL TERRESTRIAL
- ▶ GROUPED CHANNELS
- ▶ 1st IF SAT

The new **Integral Fagor SCM 5000 headend** is here: the system can integrate in the same frame and process all types of terrestrial or satellite TV signals, both digital and analogue, for community reception installations.

Why make life difficult with different modules that are not compatible mechanically and electrically?

The **SCM 5000 headend** includes **RF channels, adjacent channels, digital terrestrial, grouped channels** and **1st IF SAT** amplification in one single system that uses the same power supply and, moreover, can integrate up to 12 fully compatible modules in a compact, uniform frame.



Modular headend system SCM 5000



■ SCA 5000-F channel amplifier

Single channel amplifier, ideal for amplifying and filtering TV signals in MATV headend systems.

The SCA 5450-A series models are amplifiers designed for adjacent channel operation.

■ SCA 5565/SCA 5566 digital terrestrial TV amplifier

Grouped channel amplifier for UHF, ideal for amplifying and filtering COFDM signals in MATV headend systems.

■ IFA 5000 1st IF SAT amplifier

The IFA 5000 amplifies the 1st IF SAT signal and mixes it with terrestrial channels.

■ SPS 5010 power supply

Power supply module designed to provide voltage to the SCM 5000 series modular system.

TECHNICAL SPECIFICATIONS

SINGLE CHANNEL AMPLIFICATION

ADJACENT

MODEL	SCA 5150-F	SCA 5230-F	SCA 5350-F	SCA 5350-F "S"	SCA 5450-F	SCA 5450-A
Reference	34602...04	34601	34605...12	34703...20	34621...69	35621...69
Channels	E02...E04	FM	E05...E012	S03...S20	21...69	21...69
Max. output level (DIN 45004K)	dB μ V	125	125	125	125	120
Gain (1)	dB	50	30	50	50	53
Selectivity (2)	dB	>30	-	>29	>29	>31

Notes: (1) Gain decreases 3 dB when splitting in "Z".
(2) Measure made at PV +20 MHz.

1st IF SAT AMPLIFIER

MODEL	IFA 5000	
Reference	35905	
1st IF SAT frequency range	MHz	950-2300
1st IF SAT gain	dB	30 (950 MHz) 37 (2150 MHz) 34 (2300 MHz)
Output level (DIN 45004B -35dB)	dB μ V	118 (2150 MHz)
Through losses	dB	<2

DIGITAL TERRESTRIAL TV AMPLIFICATION

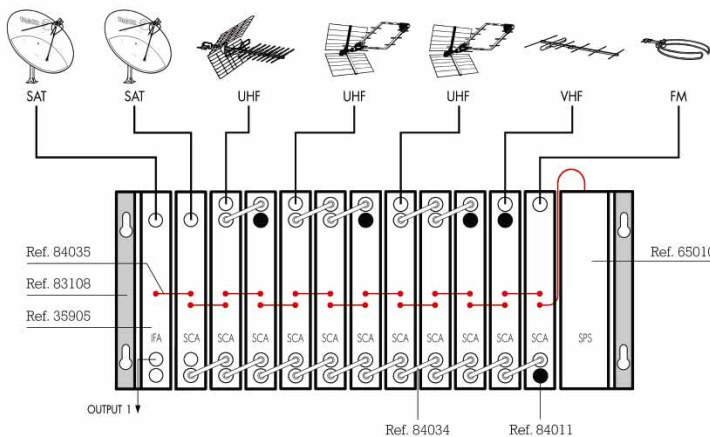
GROUPED

MODEL	SCA 5565	SCA 5566	GROUP
Reference	34670	34671	On request
Channels	C65-C69	C66-C69	Bi-channel, tri-channel, tetra-channel
Output level	dB μ V	117 (DIN 45004B -35dB) 112 (4 channels COFDM)	110 (DIN 45004B -60dB)
Gain	dB	52	50

POWER SUPPLY

MODEL	SPS 5010	
Reference	65010	
Input voltage	Vac	220 \pm 10%
Output voltage	Vdc	24 \pm 5%
Max. Output current	A	1,4

Application example:



Ref: 9C025

ACCESSORIES

REF	MODEL	DESCRIPTION
83105	BST 510	Frame (10 modules + power supply)
83106	BST 512	Frame (12 modules + power supply)
83108	BST 512 N*	Frame (12 modules + power supply)
83107	BST 502	Frame (2 modules + power supply)
84003	PMD IF	75 W IEC-F coaxial bridge
84031	PMD FF	75 W F-F coaxial bridge
84034	PMD FF N*	75 W F-F coaxial bridge
84035	PAR 5000 A*	Power supply bridge

* Compact assembly, up to 12 modules

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