

912 IF PROCESSOR EQUIPMENT 912-UC

Processors

CE



UC-233

Description

Modular IF processor equipment with analogue LNB switching. The equipment converts the frequency of the satellite digital TV transponders to the IF band. It is composed of a power supply unit, an amplifier and up to 8 processors, which are mounted on a support frame. Can be programmed using PC software and a wireless programmer.

Applications

Medium to large analogue or digital SMATV installations. The equipment permits the distribution of up to 30 transponders, 240 digital programs, of different satellites and polarities, through a single coaxial cable. Compatible with single, twin, quad and multiswitch LNBS thanks to its analogue switching (+13V/+17V 0/22KHz) and with collective installations in the IF band (950 to 2150 MHz). It is necessary to install individual digital DVB-S/S2 receivers with each television.

Characteristics

The equipment equalises the levels of all the transponders and maintains the levels by means of an AGC automatic gain control. Zamak chassis with metal side covers. F type connectors. Fast and easy assembly.

CODE	9120154	
MODEL	UC-233	
Connection	F female	
TV System	FM-TV / DVB-S / DVB-S2	
Number of inputs	1 with duplexing or 2 independents	
Processors by module	2	
Input frequency range	MHz	950 - 2.150
Output frequency range	MHz	950 - 2.150
Frequency step	MHz	1
Band width	MHz	6..64
Input level	dB μ V	45..85
	dBm	-20..-60
Output level	dB μ V	85 \pm 1.0
Output level stability	dB	<1
Output level adjust	dB	20
Automatic gain control	dB	40 Typical
Single-channel selectivity	MHz	40 (BW 36 MHz)
		30 (BW 27 MHz)
		20 (BW 15 MHz)
Channel flatness response	dB	<3
Through loss	dB	<1



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CODE	9120154				
MODEL	UC-233				
Noise figure	dB	10			
Spurious in band	dB	<40			
Return loss	dB	>15			
Phase noise	dBc/Hz	85 @ 100KHz			
Equivalent noise degradation	dB	<0.5			
LNB power supply	V \cdots	13/18 (0/22KHz)			
	mA	350 max.			
Power supply	V \cdots	+3.3	+5	+12	+24
	mA	600	366	105	15+LNB
Operating temperature close to equipment	$^{\circ}$ C	-10..+65			
Room temperature with/without fan	$^{\circ}$ C	-10..+55/+45			
Protection index		IP 20C			
Units per packaging		1			
Packing weight	Kg	1.1			
Packing dimensions	mm	270 x 170 x 38			

The operation of an installation using transponders with a symbol rate (SR) of less than 6000 Kbaud is not guaranteed since correct functioning depends on the receiver (or field meter) used.

Programmable with the PS-011 programmer.
Supplied with the duplexing and multiplexing bridges