



# ETC-100

## COFDM-QAM Transmodulator

Art.no: 107200.01

### PRODUCT INFORMATION

#### ETC-100

The ETC-100 is a COFDM-QAM transmodulator with exceptional performance based on our latest digital product platform. It is designed for use on both VHF and UHF so that every available channel on a Cable TV network can be used.

#### Features:

- High quality COFDM-QAM transmodulator
- High output level (100 dB $\mu$ V)
- Stuffing
- DVB-T and DVB-C compliant
- Settings via PC or PALM PDA (RS-232)
- Low power consumption



DVB's main transmission standards, DVB-S for Satellite, DVB-C for Cable and DVB-T for terrestrial, dominate the world and are the basis for most of the alternative standards.

# design for TV

# ETC-100 COFDM-QAM Transmodulator

## TECHNICAL SPECIFICATION

(This specification may be subject to change without notice).

### Connectors and Interfaces

Control connector	9pin male, D-sub
Antenna input connector	F female
RF output connector	F female
LED Indicator lights	Power on, COFDM error, QAM error
Smartcard connector	ISO 7816
CAM connector	PCMCIA
Remote controls	Settings of Receiver frequency or Channel, Bandwidth, Modulation, Output frequency, Symbol rate and Attenuation

### COFDM Terrestrial Receiver

Input Frequency	48 – 860 MHz
Input impedance	75 $\Omega$
Input Level	-65 to -25 dBm
Bandwidth	6, 7 and 8 MHz
DVB compliant	DVB-T (EN 300 744)

### QAM Cable Modulator

QAM modes	16, 32, 64, 128 and 256 QAM
Test mode	Continuous Wave (carrier only)
Symbol rate	4 – 7.2 Mbaud/s
MER (at RF out)	> 37 dB for 256-QAM
DVB compliant	DVB-C (EN 300 429)

### RF Output

Impedance	75 $\Omega$
RF out frequency	50 - 858 MHz (center frequency)
RF output level (with 0 attenuation)	102 dBuV $\pm$ 3 dB (50-858 MHz) and $\pm$ 1 dB over temperature (0-50°C)
Attenuator range	0 to -31 dB in 1 dB steps
Spurious suppression	> 55 dB (0 – 1200 MHz)

### Miscellaneous

Power supply	6 – 9 VDC
Power consumption	< 6.5 W
Dimensions	165x105x20 mm (excl. connectors)
Weight	Approx. 290 g
Controller	PC or Palm PDA (software included)
Control connector	9 pin male D-sub
Operating temp.	0 to +50°C

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