



# EXC120GX EXC300GX FM TRANSMITTERS



EXC120/300GX models are the 120W or 300W exciters of the innovative GX family produced by Sielco. It is appreciated for the great efficiency and versatility due to three main reasons: LIGHT weight, MINIMUM size and LOW consumption. To buy an EXC300GX, as anyone other model of the GX line, means to make a winning choice, to enjoy all the relevant advantages during all the life of the product and to spare money: less transport costs, less needed space to install it and the lowest energy consumption during the work.

EXC120/300GX are simple to set up: very easy to configure thanks to the intuitive human interface equipped with an elegant LCD graphic display, a multifunction jog control and only a few other control buttons.

With yours 7 kg and compact dimensions in 2U, the transmitters is easy to transport and easy to install in any 19" rack. Many options are available on request. The most common are: the internal high quality stereo coder, the AES / EBU digital input, the remote control board via Ethernet allowing remote controlling from anywhere in the world (with devices like PC or mobile devices like smartphone), the remote control via GSM modem and RDS board.

encoder, audio digital board in accordance with AES/EBU directive and RS232/485 serial port to enable an easier integration with other instruments.

In addition to the beneficial influence on the cost of the electricity, we have less heating generation and therefore greater reliability.

It meets or exceeds FCC or CCIR requirements.

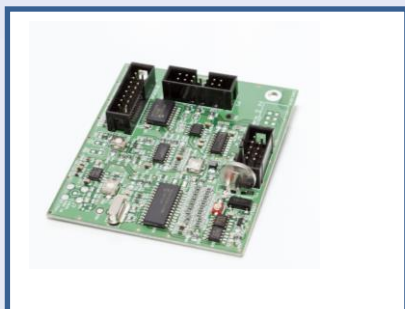


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## OPTIONS



Web server – Web server + GSM



RDS



STEREO ENCODER

## TECHNICAL DATA

Frequency range		from 87,5 to 108 MHz
Transmitter tuning steps		10/100 KHz
Frequency stability / error		± 250Hz over temperature range – 100Hz/year
Modulation	FM	75 KHz peak, adjustable (180KF3E/256KF8E)
Audio and Mpx input level		from -3,5 to +12,5 dBm @ 75 KHz deviation
Auxiliary input channel level	SCA	from -12,5 to +3,5 dBm @ 7,5 KHz deviation
	RDS	from -24 to -8 dBm @ 2 KHz deviation
Modulation distortion	75 KHz dev.	<0.03%, 0.02% typical
S/N ratio, mono	30÷20000Hz	>76 dB, 83 typical
	CCIR	>75 dB, 79 typical
S/N ratio, stereo	30÷20000Hz	>72 dB, 77 typical
	CCIR	>68 dB, 72 typical
Audio channels frequency response	30÷15000 Hz	±0.1 dB
MPX input frequency response	30÷100000 Hz	±0.1 dB
Pre-emphasis time constant		25/50/75 µs selectable
Rated RF output power		120W (EXC120GX) / 300W (EXC300GX)
Output power ALC stability		±3%
Harmonic and spurious emissions		<70dB (harmonic), <80 dBc (spurious)
RF output connector		N
Power supply	Single phase	115÷230 Vac +10/-15%
	Three phase	N.A.
Total consumption at rated RF power		<220W (EXC120GX), <550W (EXC300GX)
Operative temperature range	suggested	from 0 to 35 °C
	extreme	from -10 to +45 °C (50°C max with derating)
Relative humidity		up to 95% not condensing
Dimensions (WxHxD)		483x88x395 mm
Weight		7kg (EXC120GX), 8kg (EXC300GX)

Note: The data are subject of variations without notice.

