

100 W 100 W FM ANALOG TRANSMITTER



FRONT VIEW



REAR VIEW

- ☐ Frequency Agile Broadband 76-108 MHz
- ☐ Modular and compact design: up to 100 W in 1 RU.
- ☐ Overall efficiency more than 70%
- ☐ MPX Input
- ☐ Optional Stereocoder (L&R), AES EBU inputs
- ☐ Optional Dynamic RDS coding embedded
- ☐ Ultra High signal to noise ratio, extremely low distortion.
- ☐ User friendly GUI.
- ☐ Remote control via SNMP, web pages, TLC/TLS



FM TRANSMITTER

The SYES PLUS FM transmitter line is a state-of-the-art heavy-duty, FM low power equipment featuring high efficiency technology.

It is a broadband agile 76-108 MHz, compact design transmitter 1RU, 2RU and 3RU with an output power from 100 W to over 2 kW.

It includes an MPX input and remote control via SNMP web pages and TLC/TLS.

The PLUS FM transmitter line is designed to fulfill the requests of those remote stations in need of a heavy-duty, cost-effective transmitter design.

FM
COMPACT ANALOG

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100 W

100 W FM ANALOG TRANSMITTER

FM
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TECHNICAL FEATURES:

Working bandwidth:	76 ÷ 108 MHz
Frequency stability:	± 1 ppm
Output power:	100 W
Output connector	N
Harmonics Attenuation:	≥ 80 dB
Frequency Deviation:	$\Delta F \pm 75$ KHz ... ± 100 KHz
MPX Input:	Band 40 Hz ... 100 KHz impedance > 2K Ω or 600 Ω Input level adjustable from -6dBu up to +6dBu
MONO Input: (L input is the default input, it can be set by the web pages on L or R input)	40 Hz ... 15 KHz impedance > 2K Ω or 600 Ω Pre-emphasis 0/50/75 μ s Level from -6dBu ... up to +6dBu
AUDIO AUX Input:	from 21 KHz ... up to 100 KHz Input level adjustable from -6dBu up to +6dBu
L and R Inputs:	Stereocoder Option. Impedance > 2K Ω o 600 Ω pre- emphasis 0/50/75 μ s Input level adjustable from -12dBu up to +12dBu Clipper Δf : ON/OFF "
AES/EBU Input:	Impedance 110 ohm Sensitivity from 0dBfs up to - 12dBfs
RDS Input:	Optional dynamic RDS encoder
STEREO OUTPUT SPECIFICATIONS with L/R and MPX INPUT	
Amplitude/frequency:	< ± 0.15 dB (30 Hz – 15 KHz)
Total Harmonic Distortion +Noise:	0.03% @ 400Hz
AM Noise: (MPX Input)	≤ - 60dB ref. amplitude modulation 100% of the carrier
Synchronous AM: (MPX Input)	With f = 400 Hz and $\Delta f \pm 75$ KHz ≤ - 50 dB ref. amplitude modulation 100% of the carrier.
S/N:	Stereo/mono > 80 dB (f=400 Hz with $\Delta f \pm 75$ kHz)
Linear Crosstalk: (L/R Input)	< - 60 dB (40 Hz - 15 kHz) (Measured with $\Delta f \pm 75$ kHz)"
CONTROL AND MONITORING	
Local	Graphic display with push buttons
Remote	SNMP V2C / web pages/ TLS-TLC
GENERAL SPECIFICATIONS	
Mechanical dimensions	W x H x D: 483 mm x 45 mm (1RU) x 350 mm
Weight	8 kg
Power Supply	90-264 VAC/390 VDC, Universal
Efficiency	Up to 70%
Environmental conditions	
Max altitude	4000 m a.s.l.
Working temperature range	-5 ÷ 45°C
Max relative humidity	95% @ 35°C non condensing

Features and specifications subject to change without notice

SYES

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