

SINUS 430 Dps

The digital power amplifier PA-4300DX is a transformer-less 4-channel power amplifier with 4 x 300 watts or 2 x 600 watts power sharing performance according to IEC 268-3 in a 1U housing with a power supply of 230VAC and a backup power supply of 24VDC.

The low weight of only approx. 6.5 kg makes transport easier for fully equipped 19" cabinets (no on-site reconstruction necessary!) and enables a „one-man service“ for the installation and maintenance of the powerful system.

Each power amplifier module has a separate audio input. Each of these inputs can be assigned its own LF signal. In addition, each amplifier module has its own switching power supply. In case of failure of e.g. a power amplifier block or a switching power supply, the remaining amplifier channels are thus not affected by the failure (stand-alone design).

The power amplifier has floating and transformer less 4 x 100V direct outputs without the need for an output transformer.

On the rear of the power amplifier there are error indicators and control contacts: REMOTE, STAND-BY, FAULT-GND, FAULT-OUT and 2 x ground.

The power amplifier has various protection circuits such as short circuit protection, DC voltage protection, overload protection as well as protection against HF interference, fan monitoring with automatic switching off of the system in the event of impairment.

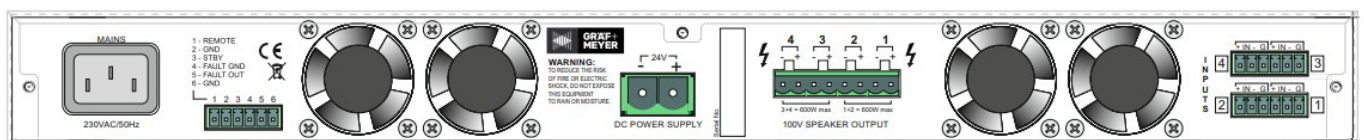
An active standby circuit ensures low power consumption. When fully operated, the power amplifier has an efficiency of over 90% and is therefore particularly energy efficient.

The power amplifier has a fault output via potential-free contact.

LED displays provide information about signal and operating states, such as Signal-In and Protect.

Four thermo-controlled fans ensure effective cooling of the amplifier with unrestricted continuous operation and full performance.

Rear view



General features:

- Digital 100 V PA power amplifier
- Transformers without ground faults
- 4 x 300 W / 2 x 600 W (power sharing)
- Low height: 1 U
- Light weight: 6.5kg
- Easier transport for fully equipped 19" cabinets
- Thanks to the low weight of the device, a "one-man service" is possible for installation and maintenance
- Extremely powerful
- Energy saving thanks to active standby mode
- Efficiency of over 90% in full operation
- Output contact for error messages
- Power supply of 230VAC
- Backup power supply of 24VDC
- Suitable for systems acc. to EN 60849 (DIN 0828)
- Output power and protection circuits according to IEC 268-3
- Short circuit protection, DC voltage protection, overload protection, protection against RF interference, fan monitoring
- Thermo-controlled fans
- LED displays on the front: PROTECT, SIGNAL, OVERLOAD, GND FAULT, AC, DC

Technical specification:

Model	SINUS 430 Dsp
Power Supply	190 - 265V at 50/60Hz
Power consumption emergency power supply 230VAC	IDLE: 0.75A REMOTE: 0.24 STBY: 0.35A
Input EN54-4	21,5-28,5 VDC
Power consumption emergency power supply 24VDC	IDLE: 2.85A REMOTE: 0.35A STBY: 1.28A
Max. power out	4 x 300W or 2 x 600W (1.2kW), channels 1 and 3
Frequency Response	60Hz-24kHz (-3dB)
Signal to Noise Ratio	SNR > 85dB
Distortion factor	<0.1% at 1kHz, 1/3 rated power
Input sensitivity/ impedance	760mV / 16k balanced
Protection	High temperature, overload, short circuit
Indicators	AC, DC. Protect, Signal, Overload, Ground fault
Dimensions (W x H x D)	484 x 330 x 44mm 1U
Weight	6.5kg

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