

General description of the OM1500 Amplifier

The linear amplifier OM1500 is designed for all short wave amateur bands from 1.8 to 29 MHz (including WARC – bands) + 50 MHz and all modes. It is equipped with a ceramic tetrode GS23B.

Specification of OM1500:

Frequency coverage:	Amateur bands 1.8 – 29.7 MHz including WARC + 50 MHz
Power output:	1500+ W in SSB/CW on HF bands, 1000 W CW/SSB on 50 MHz 1000+ W in RTTY
Driver power:	40 to 60 W for full output power
Input impedance:	50 Ohm VSWR < 1.5 : 1
Output amplification:	14 dB
Output impedance:	50 Ohm unbalanced
Maximum output SWR:	2:1
SWR protection:	Automatic switching to STBY when reflected power is 250W or higher
Intermodulation distortion:	35 dB below nominal output
Suppression of harmonics:	< -50 dBc
Tube:	GS23B ceramic tetrode
Cooling:	Centrifugal blower
Power supply:	- Switchable 210, 220, 230 V – 50 Hz
Transformers:	1 toroidal transformer 2.3 kVA
Protection circuits:	- SWR too high - Anode current too high - Screen current too high - Grid current too high - Mistuning of power amplifier - Temperature too high - Soft start for fuse protection - “switch –on blocking “ at opened amplifier
Indications:	- OLED display 4 x 20 character - Analog 2 systems meter for forward and reflected power
LED indicators:	- ON status - STBY– standby - FAULT – warnings and faults indicator - ON AIR – amplifier in transmitting status - TUNE leds – help tune-up amplifier
Features	- Antenna switch for 3 antennas - Memory for faults and warning, easy maintenance - Automatic set-up anode current (BIAS) – no need to adjust after changing the tube - Automatic set-up of blower speed according to temperature - Full QSK with silent relay - The smallest and lightest 1500W PA on the market
Mechanical parameters:	390mm x 195mm x 370mm (width x height x depth)
Weight:	22 kg