



# RADIOWORLD

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## ACOM A1200S HF 1200 Watt Amplifier £2799.95

### DESCRIPTION

The ACOM A1200S HF is a 1200 Watt Amplifier, Five inch (5") (108x65mm) high resolution color display, 800x480 pixels and 24-bits colors. The final stage uses field effect (MOSFET) transistors type BLF188 from NXP, designed to withstand high mismatch (SWR) at the output and intended for operation in aerospace, industrial, mobile, and radio broadcast applications. Compatible with all transceiver models available on the market - does not need any special signals: "ground on transmit" (PTT) and 50W of RF drive power is sufficient. Broadband input circuit providing a perfect transceiver load with SWR below 1.2:1 (typically 1.1:1), without retuning throughout the whole frequency range from 1.8 to 54MHz. The overall operation of ACOM 1200S is extremely simplified: the screen menus are intuitive and easy to follow and no special skill is required from the operator when changing frequency bands. Possibility of automatic control - when connected to a transceiver with a CAT interface, the amplifier monitors constantly, duly follows the operating frequency, and changes the bands accordingly. Even if not connected with CAT interface, the amplifier monitors the frequency of the input signal through the built-in frequency counter and automatically switches over the bands. Remotely controlled by RS232 interface. Takes care of itself during operation due to the continuously working protection circuits in all modes. The operator can monitor digitally more than 10 parameters concerning the working regime of the amplifier. Easy maintenance - detailed data (55 parameters) about each of the last 28 hard-fault protection trips is stored in the amplifier's nonvolatile memory. Convenient for expeditions and field operation: extremely compact and light construction, extended mains voltage range (93V÷265V), limited inrush current and purely sinusoidal consumed mains current, automatic Power Factor Correction (PFC) - all significant parameters in operation from unstable mains, generators etc. features achieved thanks to the built-in switching mode power supply (SMPS). Perfect electromagnetic compatibility (EMC) both with the highly sensitive as well as with the powerful appliances in the radio station (receivers, computers, more amplifiers) exceeding the standard EMC requirements due to the use of PFC and the built-in additional radio-frequency filters.