



25 Watt Audio

Amplifier

Model **PA1003**



AWA Sound Amplification and Distribution Systems are in wide use throughout the Commonwealth for Schools, Hospitals, Cathedrals and Churches, Retail Stores, Public Halls, Hotels, Restaurants, Racecourses, Sports Grounds, Surf Clubs, Railways, Theatres, Factories, Canteens, Business Houses, Amusement Centres, Tourist Coaches and the like.

Whether your need is for fidelity musical entertainment, effective public speaking or clear industrial communication and direction, you will be served faithfully by this newly designed, compact and powerful unit.

Manufactured to Broadcast Equipment Standard.

The range of AWA Audio Amplifiers, Microphones and Speakers provides a type for every purpose, with features and facilities to meet every need in Sound Amplifying and Distribution.

- *Attractively styled*
- *Robust in construction*
- *Dependable in service*
- *Highest fidelity*
- *Low cost*

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Foremost in sound!

Specification for Audio Amplifier, Model PA1003

The AWA Amplifier Model PA1003 is a mains operated 220-250 volts public address amplifier capable of an output of 25 watts. Two simultaneous inputs are available, one for high impedance microphone $2.2M\Omega$ and one for crystal pickup $0.7M\Omega$. An input transformer can be fitted when required for a low impedance microphone at an additional cost. A variable tone control is provided to attenuate the high frequency response of the pick-up only. Low frequency attenuation of the whole amplifier is provided for feeding horn type loudspeakers.

Taps are provided to match up to 25 600 ohm loudspeakers or 70 volt or 100 volt lines. Provision is also made to feed a single loudspeaker of 12-16 ohms.

In keeping with AWA 50 watt and 100 watt amplifiers, Model PA1003 has been designed for either table or rack mounting.

The following accessories are available as optional extras.

Rack mounting Kit	PA460
RF stage radio tuner	PA449Y (plug in)
Monitor 6" x 4"	PA780
Switch units	PA055 6 - Line
	PA056 12 - Line
	PA057 18 - Line
	PA058 24 - Line

AMPLIFIER PERFORMANCE . . .

- (1) SENSITIVITY
Pickup —10dbm input for full output. Microphone —50dbm input for full output.
- (2) FREQUENCY RESPONSE
 $\pm 3\text{db}$ 50 — 10kc.
- (3) HARMONIC CONTENT
Less than 2% at overload point at 1,000 cycles.
- (4) NOISE LEVEL
Phono —55db below 25W
Microphone —45db below 25W at full gain.
- (5) TONE CONTROLS
H.F. —20db attenuation at 10kc.
L.F. —14db at 50 cycles in one step.
- (6) POWER CONSUMPTION
99 watts max.

Controls

The following controls are fitted:
Microphone Volume.

Phono } Volume.
Radio }

Phono } Tone.
Radio }

Bass Cut (pre-set at rear of unit).

Phono/Radio switch.

Monitor switch.

Colour

Light plum and silver.

Valve Complement

Valve Type	Qty.
7027A	2
12AX7	2
IN3195 Silicon diode	2

Dimensions and Weight—

Height	Width	Depth	Weight
9"	17"	11"	28 lbs.