

KODAK
PAGEANT 250S Sound Projector
(16 mm)



A SOUND INVESTMENT

The KODAK PAGEANT 250S Sound Projector helps you hold your audience. It runs quietly, smoothly. And the straight-line optical system delivers a bright, crisp picture in almost any-size room.

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(16 mm)

CLEAR, INSTANT SOUND

The sound's as clear as the picture. The sound focus lever lets you adjust the optical scanning for best sound-track focus. And the instant warm-up means you can hear the opening words.

QUICK, EASY SETUP

You get into action fast. Setup is simple. You thread the film the professional way, with every step visible.

GENTLE ON YOUR FILM

The PAGEANT 250S Projector is easy on your film budget, too. It handles valuable film footage with gentle

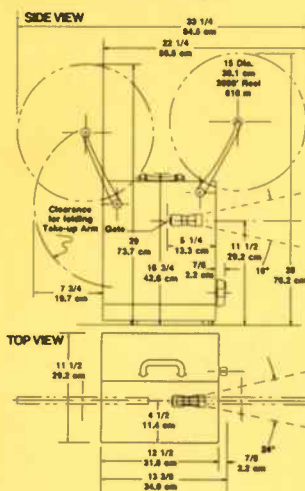
precision. Show after show. The spring-loaded sprocket cushions your film to protect against film damage from fast starts. Surface contact through the film gate is outside the image and sound track, as your film passes smoothly, under low pressure. And, a tungsten-carbide pulldown tooth minimizes wear, so the operation is precise, accurate and gentle. That all means built-in investment protection for your 16 mm films.

Basic Specifications

- Easy to Thread, Load and Unload
- Sound Focus

- SUPER-40 Shutter
- Amplifier Full 25-Watt Continuous Average Sine Wave Power.
- Lamp Brilliance Throughout Lamp Life
- 12-Foot (3.7 m) 3-Wire Grounded Power Cord
- Micro and Auxiliary Inputs
- Lift-off Cover With 6- x 9-inch (15.2 cm x 22.9 cm) Oval Speaker.
- Thermal Fuse

SPECIFICATIONS



GENERAL

Weight—38.5 lbs. (17.5 kg)

Power Required—ac, 105-125 volts, 60 Hz.

Sound and Silent Speeds—24 or 18 frames per second, forward and reverse projection.

Operating Controls—Single five-position switch lever under lamphouse operates motor and lamp circuits for forward and reverse projection. Tone and volume controls. Sound focus lever. Power "on/off" switch.

Film Capacity—2000 feet (610 m) of 16 mm film. 1600-foot (488 m) take-up reel supplied.

Reel Arms—Permanently attached and hinged to facilitate setups.

Elevating Control—Easy, one-hand, self-locking control. Maximum 2-inches (51 mm), front control. Upward lens tilt, approximately 8 degrees maximum.

Cord—12 feet (3.7 m) long. Permanently attached, three-wire grounding-type.

Construction—Scuff-resistant textured vinyl fabric covering on wood case. Cord storage next to lamphouse.

Motor—Constant speed induction. Thermal fuse protected.

FILM TRANSPORT SYSTEM

Threading—Simple, fully visible. Just follow the red line. Loop-former lets you restore a "lost loop" without stopping projector.

Film Protection—Spring-loaded sprocket absorbs starting forces. No stationary parts rub against the picture or sound-track areas during projection.

Film Movement—Nonskip-type, tandem-tooth movement. Tungsten-carbide pulldown tooth gives long life.

Framing—Image moves within frame. Tilt adjustment unaffected.

Rewind—Rewind lever protects against threading in rewind position.

Gate—Easy-out, with fingertip pull. Soft-tension "floating-pressure pad" is easy on film.

Quiet Operation—Nylon gears. Minimum of moving parts minimizes operating noise. No user lubrication needed.

OPTICAL SYSTEM

Lamp—200-watt, 24-volt, tungsten-halogen (EJL) lamp. Storage for spare lamp in lamphouse.

Illumination—

3-position lamp switch—SUPER-40 Shutter in 3-blade position with a 2-inch f/1.6 lens (supplied with projector)

	Low	Med	Hi
Lumens	152	199	273
Life Hrs	200	100	25

3-position lamp switch—SUPER-40 Shutter in 2-blade position with a 2-inch f/1.6 lens (supplied with projector)

	Low	Med	Hi
Lumens	215	280	385
Life Hrs	200	100	25

SUPER-40 Shutter—Automatic-shifting three- and two-bladed shutter gives optimum image brightness at sound and silent speeds, 40% extra illumination at sound speed.

Standard Lens—KODAK Projection EKTANAR Lens, 2-inch (5.1 cm) f/1.6, LUMENIZED, with field flattener.

Auxiliary Lenses—1 1/2-inch (3.8 cm) f/2.0, 3-inch (7.6 cm) f/2.0, 4-inch (10.2 cm) f/2.5, and CINE-KODAK Bifocal Converter.

Cooling System—Provides full ventilation for both forward and reverse projection.

SOUND SYSTEM

Amplifier—Completely transistorized. The continuous average sine wave power output of the amplifier is 25 watts minimum into an 8-ohm load with 5% maximum harmonic distortion over a 50 Hz to 7000 Hz band width. (This applies if line voltage is 120 volts rms at 60 Hz.)

Sensitivity—740 μ V microphone channel. 120 mV auxiliary channel.

Fuse—Cuts off power to amplifier on excessive current flow.

Microphone and Auxiliary Receptacles—Microphone and record player or tape recorder can be attached to use projector as a high-fidelity P.A. system.

Speaker—Heavy-duty, 8-ohm, 6- x 9-inch (15.2 cm x 22.9 cm) speaker in lift-off cover. Permanently attached 40-foot (12.2) cord with phone-type 1/4-inch (6.4 mm) plug. Will handle full output of amplifier.

Sound Drum—Rotating-type drum.

Sound Optics—Sealed-in cylindrical lens.

Exciter Lamp—Under normal conditions, no replacement is necessary. ANSI Code BSK; 6-volt, 1-amp T-5 bulb; single contact, prefocused base.

Sound Focus—Reproduction of full tonal range of film sound track. Sound focus permits adjustment for sharpest possible line of light on sound track, regardless of "up" or "down" emulsion position.