

LASER SHOW SYSTEMS

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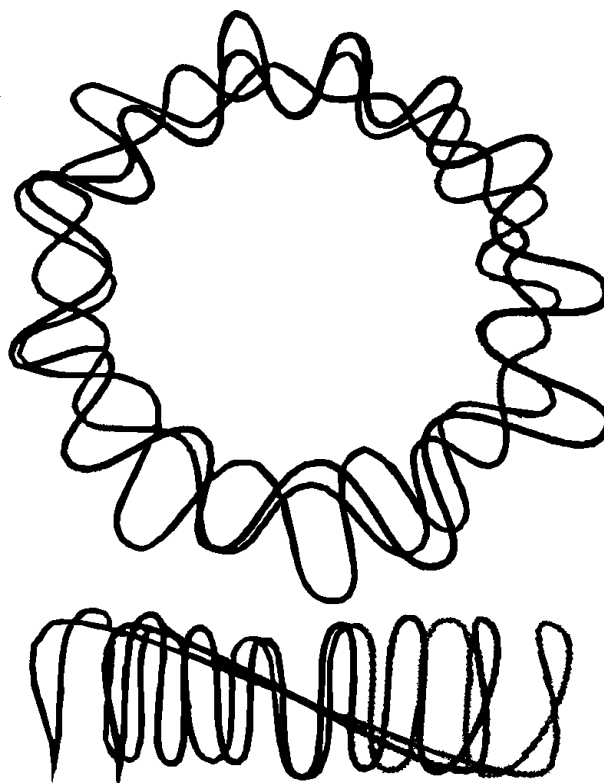
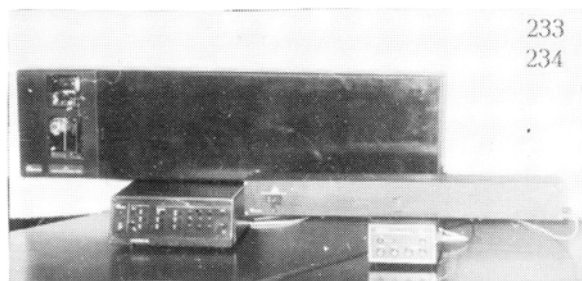
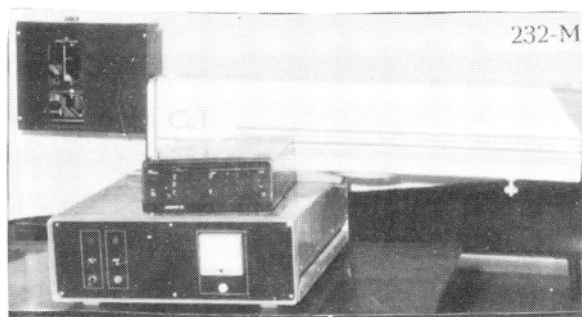
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Laser show systems are automatic devices with remote control, which produce light-dynamic effects in large and small concert halls, dancing centers, and restaurants. The systems are built around various lasers and original device for beam scanning.

Optron-234 (one monochromatic beam) makes a beam sweep in one or two planes and a diffraction pattern. Optron-232-M (two dichromatic beams) and Optron-233 (two monochromatic beams) make figures (16 positions) of Lissajous type, signs of the zodiac, and diffraction pattern.

Color sweeps, figures, and diffraction patterns are displayed on screen, walls, and ceiling of a room in accordance with amplitude and rhythm of music and voice.

The number of planes of beam sweep, figure sequence, and the number of points of the diffraction pattern can be set up on a plugboard or entered programmatically before switching on or during the system operation. Shape of figures and diffraction pattern can be selected individually on user's request.



SPECIFICATIONS

Show system	Optron-232-M	Optron-233	Optron-234
LASER	copper-vapor	He-Ne or solid-state	He-Ne or solid-state
Wavelength, nm	510.6 and 578.2	630 and 530	630 or 530
Operating mode	pulsed	cw	cw
Pulse repetition frequency, kHz	10-15		
Pulse duration, ns	20		
Output power, mW	1000	5 and 30	5 or 20
SCANNING DEVICE			
Light figure sweep, deg of arc	30	0-15	20
Diffraction pattern sweep, deg of arc	40	60	
Angular displacement of light figures, deg of arc	60	40	40
REQUIRED POWER, W (at 220 V, 50 Hz)			
	1500	120	160
DIMENSIONS, mm:			
Laser and scanning device	1100×190×20	880×240×102	400×40×90
Power supply unit	160×474×575		
Remote control panel	400×250×250	320×250×100	180×150×80
WEIGHT, kg :			
Laser and scanning device	15	5	2.5
Power supply unit	25		
Remote control panel	2	2	1.5