

PP-9748 , PP 9724

FILM VIEWERS FOR INDUSTRIAL RADIOGRAPHY



Features

Film viewers of the PP-9748 and 9724 series are designed for visual evaluation of industrial X-ray images, typically in high density range. The viewed radiographs are positioned on an opaque glass screen and illuminated with a strong light source. Common film sizes of 100 x 480mm (PP-9748 type) and 100 x 240 mm (PP-9724 type) and their derivatives are suitable for viewing; for smaller sizes (60 mm), size-reduction frames with magnetic grips may be applied.

Technical description

PP-9748 or PP-9724 film viewer consists of a steel plate housing with stoved powder paint. A handle for easy carrying is attached.

Built-in side fans provide for forced interior cooling. Air intake and inner deflectors arrangement result in a counterflow cooling of optical elements, heated air blows off through perforated side walls. In this way, an efficient glass screen cooling is achieved which prevents eventual thermal deformation of viewed films. The light output of the applied halogen lamps is magnified by a reflector which in addition reduces the radiant heat strain on the film viewer housing. Light source geometry and opaque glass screens arrangement result in highly acceptable homogeneity of screen luminance; the brightness level is sufficient for convenient and reliable viewing of high density radiographs. Thermal glass filter contributes to further diminishing of thermal load on the films.

The power supply (from mains) for the light source is regulated by a triac phase-controlled unit. After turning on the main switch, the viewer screen produces a dimmed light only. The brightness may be varied after depressing the foot-operated push-button by a potentiometer placed on the front panel. A regulation range of 20 – 100 % is thus available. The dimmed luminance setting in the standby state eases the operator's eyestrain while handling the processed radiographs in a darkened place. The pedal control, limiting the viewer operation at peak luminance only to the necessary time, reduces the thermal strain on the apparatus, as well as the power consumption and possible film

Technical parameters

	PP-9724	PP-9748
Maximum film size	10x24 cm	10x48 cm
Voltage requirement	220-240 V/50-60 Hz	220-240 V/50-60 Hz
Power consumption	1000 W	1400 W
Used bulbs	1xJ 254 1000 W/230V	10xHPS 150 W/24 V
Regulation range	20-100 %	20-100%
Luminance range	appr. 2500-100000	appr. 2500-100 000 lx
Dimensions (w x h x l)	415x200x170 mm	570x200x170 mm
Weight	appr. 4.5 kg	appr. 7.8 kg
Screen size	220x85 mm	460x85 mm
Maximum density	max. 3.5 D	max. 3.7 D

Contact your regional distributor: