

X-ray Warning Flash Lamp

with „FAIL-SAFE CIRCUIT“



Application

When X-rays are being generated from an X-ray tube there must be a clear and safe indication of this hazardous condition. All GE Inspection Technologies controls are equipped with multiple warning facilities, including the „High Voltage ON“ indication lamp on the control panel.

While other external warning lamps might fail due to a defective bulb or other reasons, this „High Voltage ON“ lamp is connected in a fail-safe circuit causing the high voltage to be interrupted in the event of bulb burnout or other malfunction.

This has been a standard feature on all modern GE Inspection Technologies controls for over two decades.

The protection offered by the X-RAY WARNING FLASH LAMP with „FAIL-SAFE CIRCUIT“ is now available in this external warning lamp, too, as required by DIN 54113 and many other new safety standards. A built-in opto-electronic circuit monitors the function of the flash lamp. Should the bulb of the warning lamp cease to function for any reason, the circuit will interrupt the high voltage and the generation of X-rays.



Technical Data

The flash bulb is pulsed at a frequency of approx. 1 flash per second giving bright and distinct periodical flashes through a yellow (optional red) transparent perspex cover.

The lamp housing is anodized aluminium with a stainless steel hanger. An optional tripod stand (7192730) is available upon request.

Note: The X-ray warning flash lamp complies with IP 54 protection class.



Fig 1: Version with red cover

The Warning Flash Lamp is available for the following products:

Type	Voltage	Color	ID No.
ERESCO MF3/MF4	230 VAC	yellow	7450110
ERESCO MF3/MF4	230 VAC	red	7450111
ERESCO MF3/MF4	115 VAC	yellow	7450120
ERESCO MF3/MF4	115 VAC	red	7450121
ISOVOLT HS/TITAN	42 VAC	yellow	7186462
ISOVOLT HS/TITAN	42 VAC	red	7186464
ERESCO MF1/MF2	42 VAC	red	7186460
ERESCO MF1/MF2	42 VAC	yellow	7186461



Fig 2: Tripod stand



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