KIRLIONIC CORONA SPECTRUM

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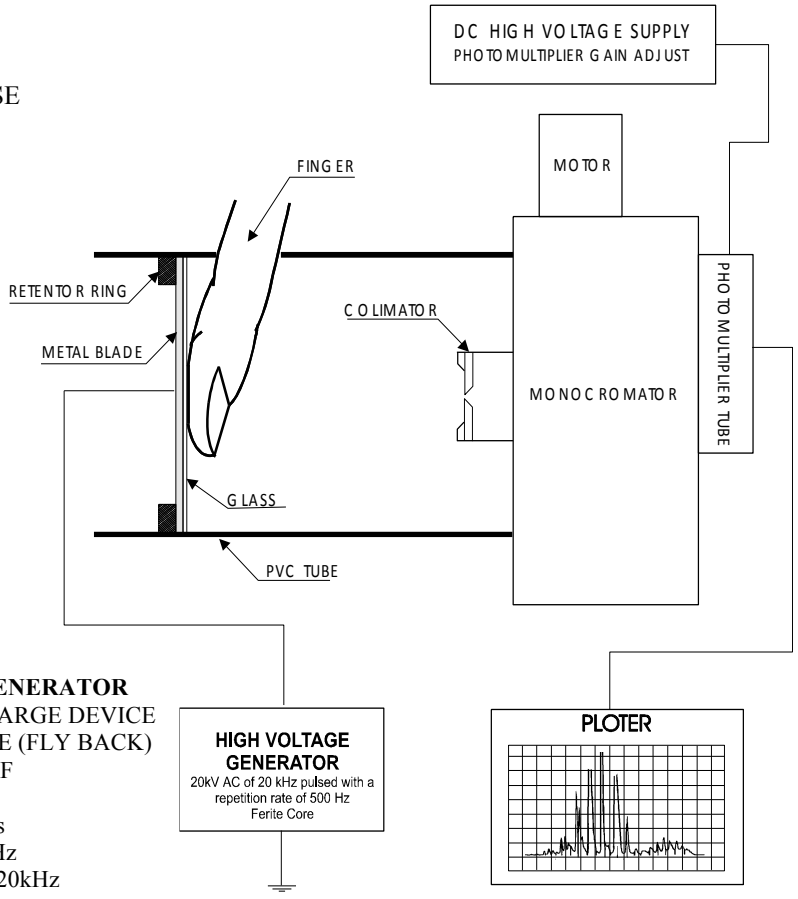
ABSTRACT

In Kirlian photography it is quite important to know the real spectrum of the CORONA radiation. So it is possible to optimise the devices design, seeking for better operational parameters, and also to develop new technologies. Thus the author, had conducted some spectral experiences with Kirlionic Corona at the Institute of Physics and Department of Electrical Engineering at the State University of Campinas (UNICAMP) - São Paulo State - Brazil. The results was very clear and helpful to understand the Kirlian Techniques and to avoid drawbacks in the instruments designs. The radiation spectrum emitted by the Corona in similar conditions to the Kirlian Photography presented a great amount of Ultraviolet Radiation (UV).

THE EXPERIENSE DESIGN



HIGH VOLTAGE GENERATOR
CAPACITIVE DISCHARGE DEVICE
WITH FERRITE CORE (FLY BACK)
VCC=150 V, C= 680 nF
Primary=10 turns
Secondary = 1000 turns
Repetition Ratio: 500 Hz
Damping Oscilation: ~20kHz

RESULT: THE KIRLIONIC CORONA SPECTRUM OBTAINED