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COAXIAL PHOTOTUBE

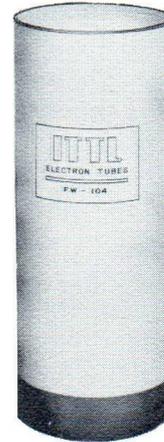
TYPES FW-100 and FW-104

A PRODUCT OF ITT LABORATORIES

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FW-100



FW-104

The ITTL Coaxial Phototubes are used for detection and measurement of nuclear radiation.

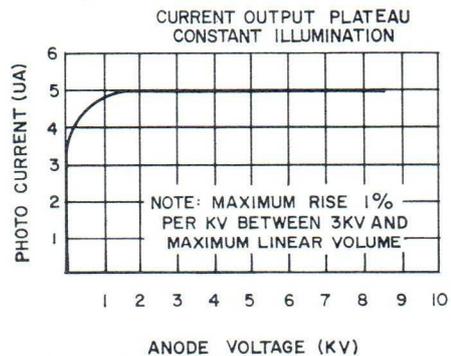
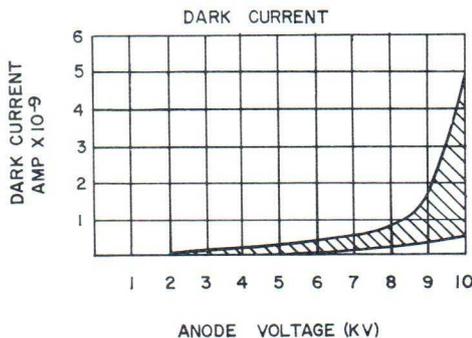
The Coaxial Phototube is a diode of coaxial geometry designed for high current and linear output in conjunction with scintillating material. An S-4 cathode is used having approximately the same peak spectral response

location as the emission peak of the fluor. The impedance matches a 50-ohm coaxial line. Recording equipment normally consists of a traveling-wave oscilloscope such as the EG&G 2236.

ELECTRICAL AND OPTICAL DATA:

Type Cathode
Cathode Luminous Sensitivity
Cathode Radiant Sensitivity
Maximum Dark Current at 6 Kilovolts

S-4
30 microamperes per lumen, average
0.029 microampere per microwatt at 4000A
 10×10^{-9} ampere



For further information and detailed technical specifications write to the Director, Components and Instrumentation Laboratory, ITT Laboratories, 3700 E. Pontiac St., Fort Wayne, Indiana.