## COAXIAL PHOTOTUBE

## TYPES FW-100 and FW-104

## A PRODUCT OF ITT LABORATORIES

Nutley, N. J. • Fort Wayne, Ind. • Chicago, Ill. • San Fernando and Palo Alto, Calif.





FW-100

FW-104

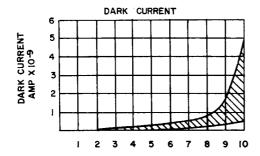
The ITTL Coaxial Phototubes are used for detection and measurement of nuclear radiation.

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

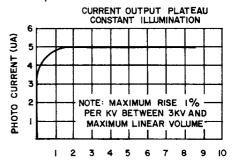
location as the emission peak of the fluor. The impedance matches a 50-ohm coaxial line. Recording equipment normally consists of a traveling-wave oscilloscope such as the EG&G 2236.

## **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 o
0.029 microampere per microwatt at 4000A
10 x 10-9 ampere



ANODE VOLTAGE (KV)

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