



5ABP7

5ABP7 OSCILLOGRAPH TUBE

POST-DEFLECTION ACCELERATOR

ELECTROSTATIC FOCUS

ELECTROSTATIC DEFLECTION

The 5ABP7 is the same as the 5ABP1, except that it utilizes a long-persistence, cascade (two-layer) screen which exhibits bluish fluorescence of short persistence and greenish-yellow phosphorescence which persists for several minutes under conditions of adequate excitation and low ambient light.

Because of its long persistence, the 5ABP7 is particularly useful where either low-speed non-recurring phenomena or high-speed recurring phenomena are to be observed. Furthermore, two or more phenomena can be observed simultaneously on the screen by means of a suitable switching arrangement.

The persistence is such that the 5ABP7 without filter can be operated with scanning frequencies as low as 30 cycles per second without excessive flicker.

The SPECTRAL-ENERGY EMISSION CHARACTERISTIC,
as well as PERSISTENCE CURVES of BUILDUP and DECAY
of the P7 PHOSPHOR are shown at the front
of this Section.