

MEASURING PULSED SOURCES WITH THE OL 730C PROGRAMMABLE RADIOMETER / PHOTOMETER

Necessary Conditions

- 1 The pulses must be a continuous waveform at a fixed duty cycle and frequency during the measurement.
- 2 The gain range must be set to a fixed setting.
- 3 The OL 730C is set to the “integration” mode.

When used with the above conditions, the OL 730C can measure frequencies from 10 Hz to 100 kHz with duty cycles from 1 to 100%. Accuracies on the order of $\pm 1\%$ can be obtained when the duty cycle is greater than 5%. The accuracy begins to degrade for duty cycles below 5%.