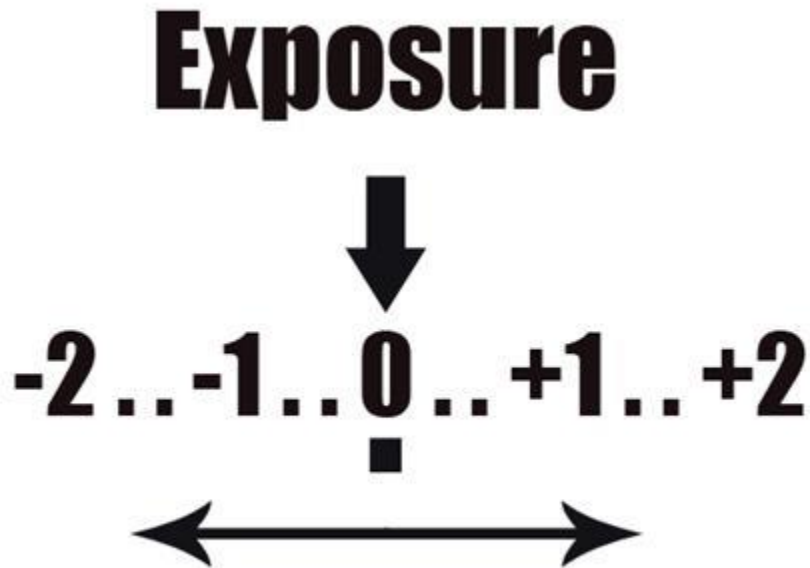


# Exposure (Light) Meters



## What meters do

- Exposure meters read the amount of light reflecting off of an object.
- These meters are light sensitive sensors designed to "read" everything as 18 percent neutral gray when set to 0.
  - No matter what the subject matter is the light meter will always "read" the scene at 18 percent gray.
  - When an exposure is based on the light meter setting of  $\pm 0$  the image will turn out at 18 percent gray.
  - This means black objects it will turn out 18 percent gray.
  - This means white objects it will turn out 18 percent gray.
  - This means gray objects it will turn out 18 percent gray.

## Metering Modes

Exposure meters can be set to "read" a scene in different ways these are the most common modes:

- Center-weighted average: the middle area of a scene is "read," about 60 to 80 percent of viewfinder.
- Spot metering: only a small area of a scene is "read," about 1 to 5 percent of the center of viewfinder.
- Partial metering: a larger area of the viewfinder is "read," about 10 to 15 percent — more than spot, but less than center-weighted.

- Multi-zone, Matrix or Evaluative metering: several selected locations throughout the frame are used to determine the exposure.

## Links

Cambridge in Colour — Camera Metering & Exposure

<http://www.cambridgeincolour.com/tutorials/camera-metering.htm>

Tuts— Perfect Exposure Every Time: A Guide to Metering in the Viewfinder

<http://photography.tutsplus.com/tutorials/perfect-exposure-every-time-a-guide-to-metering-in-the-viewfinder--photo-3158>

Digital Photography School — The Light Meter

<http://digital-photography-school.com/photography-1018-meter>