

## Flash Guide Number Calculator

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### Flash Guide Number

Using the guide number to calculate flash exposure. Well, if we want to be more methodical than just looking at the back of our camera display, we can use the Guide Number of our flash. Keep in mind that the GN is given for a specific zoom setting on the flash-head. Zooming from wide to tele on our flash, changes the Guide Number!

### Understanding Guide Numbers | B&H Explora

For example, if your flash has a guide number of 160 at full power (remember the base guide number is at 100 ISO) then at 10 feet the f/stop would be f/16 at full power. ... Other than on the back of some flash units, is their a flash distance calculator portable scale or possible a software program that can be used to calculate flash range.

### Understanding Camera Flash Guide Numbers, plus GN Calculator

Simple flash guide number calculator This is just a simple guide number calculator that solves for distance, but you can play around with all of the different variables and see how they're related. You can also plug in a few anchor points and use those for your baseline starting points when you go out and shoot.

### GN Calculator | DPanswers

[Flash Name] with Guide Number (GN) of 141 ft. / 43m. Sometimes the ISO value will be stated, but if it isn't just remember that all guide numbers are calculated at ISO 100. The only value ever reported as the guide number is the flash to subject distance in both feet and meters. You'll note that the lens aperture used to calculate the guide ...

### Compare Power Rating of Camera Flashes with Guide Numbers

Example: Suppose your full-power guide number is 51 and your flash device is set to 1 / 32 nd power. Take the square root of 32 (the button on a calculator), which equals approximately 5.657. Divide 51 by 5.657 to obtain a reduced-power guide number of 9.0. Effect of flash angle (zoom setting)

### Guide Numbers Explained for Manual Flash - Calculator ...

Guide number calculator. Most data sheets for flash units lists the guide number (GN) for the flash at full power (1/1) for ISO 100 for meters and feet. This calculator let you compute the GN for other varipower settings and other ISO values. The calculator requires JavaScript. To use the calculator, you need to know the GN at ISO 100 for the flash you are interested in.

### Guide number - Wikipedia

The higher the guide number, the greater the distance at which the light from the flash is sufficient for optimal exposure. The formula for calculating the guide number is as follows: Guide number (GN)=distance (meters) × aperture (f-number)

### Flash Level (Guide Number) - Nikon | Imaging Products

Flashgun Guide Number (GN) and zoom-head setting relation ... Flashgun Guide Number (GN) and zoom-head setting relation Feb 18, 2013 Flashgun manuals provide information about its guide number. ... then the writer may be misunderstanding what the manufacturer means by the millimeter settings in the

Manual Flash Guide Number table.

Magic Flash Calculator Chart » Scott Robert LA

Flash guide number f/stop calculation. Ask Question Asked 3 years, 7 ... a realistic example would be if you have a flash with a guide number of 100—photographing a subject 25' away will require the use of f/4 for proper exposure. ... That's actually easy to calculate even if your calculator doesn't have a button for finding powers of ...

Flash Guide Number Calculator

Understanding Flash Guide Numbers, plus GN Calculator. Flash intensity falls off with distance. Guide Number is a numerical method used to determine exposure of direct flash for Manual flash power levels, to automatically deal with the Inverse Square Law, making the math be trivial. The reference base is a known accurate Guide Number for one ...

Manual Flash Calculator (Free) - Apps on Google Play

It is telling you that, at 30-40 feet, you would get about f/4 out of this flash. And if you set the flash to 1/2 power, you'd get f/2.8 out of it at that distance. Here's the cool thing: If you zoom the head -- even on this old-design flash -- it will move the dial and adjust the result. Here is an example of more modern guide number calculators.

Strobist: Guide Number: Your Free Flash Meter

A guide number is found by multiplying the flash-to-subject distance by the aperture for a well-exposed photograph. For example, if good results are produced by using f/11 for a subject that's 5 metres away, the guide number is 55.

Tutorial: How to use the guide number of your flash

Manual Flash Calculator (Free Edition) provides a handy utility for accurately determining flash-subject distance. It's quick and easy to use for tricky lighting situations and backgrounds, where TTL auto-flash can often struggle. This app is ad-free, and requires no special device permissions or network connectivity. Key Features: • Aperture range F/1.2 to F/22 • ISO range ISO50 to ...

Flash distance calculator: Studio and Lighting Technique ...

What Is It? When it comes to flash specs, it doesn't get much more confusing than the guide number (GN). Why is it so confusing? There are several reasons, actually, but the biggest reason of all is that the GN was never supposed to be a rating of flash output.

Flash guide number f/stop calculation - Photography Stack ...

Key Features: • Aperture range F/1.2 to F/22 • ISO range ISO50 to ISO6400 • Flash output ratios to 1/256 power • Flash exposure compensation to 5 EV • Zoom support for unlimited guide settings • Power increments in 1/3, 1/2 or Full stops • Macro closeup distances (in and cm) Set the guide number/zoom coverage, power-ratio limit ...

Tools: Canon flash power calculator - Canon Professional ...

So for example, consider two flashes, with guide numbers of 40 and 80 (feet). Assuming ten feet, and both at the same ISO and zoom value, they compare as f/4 and f/8, which is 2 EV stops exposure difference. Compare Flash Power of Nikon iTTL Flash Models. The Nikon guide number charts in the user manuals show these GN specifications.

Making Sense of Your Flash's Guide Number - DIY Photography

f-stop = guide number / flash-to-subject distance So at ISO 100, a flash of guide number 12 meters or 39 feet, when used 10 feet from the subject, calls for f/3.9; and a flash of guide number 26 meters or 85 feet, when used 10 feet from the subject, calls for f/8.5.

Flash guide number comparisons | Photo.net Photography Forums

About the SB-910 and This User's Manual About the SB-910 The SB-910 is a high-performance Speedlight compatible with Nikon Creative Lighting System (CLS) with a guide number of 34/48 (ISO 100/200, m) (111.5/157.5, ft) (at the 35 mm zoom head position in Nikon FX format with standard illumination pattern, 20 °C/68 °F). CLS-compatible cameras

Flashgun Guide Number (GN) and zoom-head setting relation ...

This flash guide has been used by thousands of photographers around the world. Chart is a very easy way to calculate your flash power when using strobes in Manual Mode for the ultimate in control and accuracy. When using your flash in manual mode, here are a few tips: ... Digital Download of Flash Calculator Guide \$2.00.

Manual Flash Calculator (Free) - Apps on Google Play

GN = Subject Distance from Flash Source x f/Stop. Guide numbers are based on a simple mathematical equation that states: the light output of an electronic flash is equal to the distance of the flash unit from the subject multiplied by the lens aperture, or f/stop.

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