



GOSSEN N100



Key Features

- High Sensitivity
- Null metering system for fast, convenient reading and improved accuracy.
- Direct reading calculator dial.
- Expanded scale for reading in a wide range of lighting conditions.
- Built-in sliding hemispherical diffuser to convert from reflected to incident readings.
- Convenient on/off switch locks needle when off for extra protection.
- Unaffected by changes in battery voltage conditions.
- Compact/lightweight design for travel and location shooting.

The Gossen N-100 represents an advanced concept in light measuring instruments at a popular price. Features such as: advance null metering design, high accuracy, wide range, incident and reflected light reading capability, compact design and easy-to-use controls make it an ideal instrument for field use in a wide variety of picture taking situations.

Null Metering System

By a simple adjustment of the computer ring — to align the indicator needle in the null position — you can immediately obtain complete exposure information of applicable apertures and exposure time or cine speeds. Any changes in the reflected or incident light being measured are instantly shown by a needle deflection from the null position and indicated by over or underexposure signals.

This method is often used in precision laboratory instruments to achieve highest accuracy. A major advantage of this system is the elimination of linearity problems encountered in conventional meters since the user always adjusts the meter to the same spot regardless of the light level being measured.

Expanded Scale

With a conventional meter, the entire measuring range is limited by the available deflection range of the meter's needle. This often results in very small distances between the reading points on the scale face, especially in meters as compact as the N-100 with wide measuring ranges. Because of the null metering system, the meter deflection for the same change in light level can be as much as five times greater than with a conventional meter. This enables you to obtain more accurate readings which are easier to read because the expanded scales provided by a null reading system allow reading points which are far easier to evaluate.

Operating Parts and Scales

Sliding spherical diffuser for incident light measurement

On-Off switch

Computer ring

ASA scale window

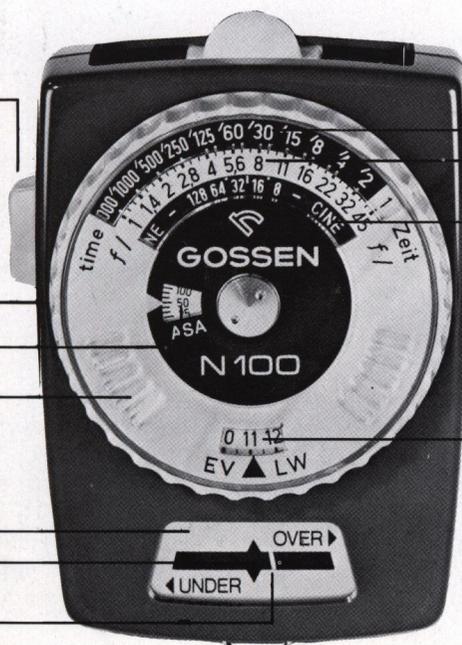
Film speed setting disk

Indicator window

Centering target

Indicator needle

Eyelet for neckstrap



Exposure time scale

f/stop scale (Lens apertures)

Cine frames per second scale

Battery chamber

Scale for shutters calibrated in EV (Exposure Values)

Zero adjustment screw



Versatility

The N-100 is capable of both incident and reflected light measurements without the need for accessories. A built-in hemispherical diffuser slides over the measuring cell when taking incident readings. This diffuser is designed to provide complete integration of all the incident light being measured. Furthermore, you don't have to make any changes of meter calibration when changing from incident to reflected measurements.

Ease of Operation

Despite the meter's compact size, all controls are designed for extremely easy operation, without the need to transfer reference number information to the calculator dial. With a simple move of the computer ring, the N-100 shows complete exposure information — it reads directly! Exposure measurements with the N-100 are easy, fast and convenient.

Specifications

EV Range	1 to 15 at ASA 25
Photo Cell	Precision CdS
Angle of Coverage	30° Reflected; 180° Incident
Power Source	2 PX 625 or PX 13 Mercury Cells
Weight	3.0 oz.
Dimensions	2¼" x 3¼" x 1¼"

SCALE RANGES

Film Speeds	ASA 6 to 12,500
Exposure Times	1/2000 second to 1 hour
Lens Apertures	f/1 to f/45
Cine Speeds	8 to 128 frames per second
Exposure Values	-1 to +24

Note: Values shown above indicate the full usable range of the N-100 Meter.

Prices and Specifications subject to change without notice.

**GOSSEN DIVISION
BERKEY MARKETING COMPANIES**

25-20 Brooklyn-Queens Expwy West, Woodside, NY 11377 • 1011 Chestnut St., Burbank, CA 91506



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