GOSSEN Meters





Gossen hand-held meters give you the creative edge

Why hand-held meters?

Your creativity demands the right light reading.

In a world where so many cameras have built-in, through-the-lens metering systems, who needs a separate hand-held meter? The answer is, "If you're serious about photography, you do."

The difference between a built-in meter and a Gossen is, quite frankly, the difference between a snapshooter and a serious photographer. A snapshooter blindly follows the approximations of an averaging meter and simply accepts that some shots just "don't come out." But a professional photographer can't afford to work that way, and a serious amateur won't.

Why Gossen hand-held light meters?

Built-in meters give you average exposures for average scenes. For a Gossen meter, that's just the beginning.

Modern photographic films have remarkable latitude, especially color negative material and can produce acceptable results over a range of exposures. But the experienced photographer knows the difference between acceptable and optimum exposure because there's no substitute for the best.

Ease and versatility.

Reflected Light

Measuring from the camera towards the subject





Incident Light

Measuring from the subject towards the camera





Ergonomically designed system

As you expand your photographic expertise you'll realize the need to know what the optimum exposure is — not depending solely on bracketing and the film's exposure latitude.

All photographic metering systems are based on the principle of the gray card; that all light and colors of a scene can, for measurement purposes, be represented by a card; neutral gray with no color cast and reflecting 18% of the light cast on it. When the light distribution in a scene is not "average" you have to either measure all anomalous areas (those that are very bright or very dark) individually, or use a device that measures incident light (how much is falling on the subject).

Gossen exposure meters measure both reflected and incident light, so even the simplest models can provide better exposure information than the metering system of a camera.

Gossen gives you all the information.

In order to get the correct exposure, you not only have to know the average reading, but the total range of brightness in the scene. All Gossen digital meters feature simple contrast analysis which displays the full range of exposure from shadow to highlight, and conveniently displays this information on the analog scale. Other meters give you mid-tone readings, but unless you know the full range of brightness in the scene you may lose critical highlight or shadow detail.

Gossen's Ultra-Pro, Luna-Pro Digital F and Luna Star F2 digital exposure meters do it all for you. They provide accurate digital readouts of continuous light and flash for both incident and reflected light. And they deliver those readouts in either exposure value or aperture/shutter combinations. The flash and ambient light are measured simultaneously and the readouts give you the appropriate exposure settings in addition to the difference in f stops between the two readings.

Other Gossen meters operate on the Null system. You simply take one reading, center the indicating needle pointer with the outer ring of the scale and see not only an exposure reading, but all of the other lens and shutter settings possible at that light level. No more reading a numerical value, setting it on a dial and then reading out the exposure.

This "Null" metering method is obviously quicker and easier. Indeed, it's the method used with many of the world's most precise laboratory instruments.

A ± 3 EV scale with 0.3 EV increments makes it easy to compare other areas with the key area on which you've "nulled." It's ideal for scene-brightness measurements and zone-system applications. Select your key area, null for that area, and then read the intensity of other areas of the scene in ratio to the key area directly off the meter face.

In addition, Null metering can be used to adjust your lighting to match the mood of your photograph or the tonal range of your film. At the "zero" position, you get a midtone reading (other meters settle for just this one tonal value). With the unique scale calibrations of Gossen's Null meters, you can place the tonal value exactly where you want it.



Gossen Luna-Star F2

One of the easiest handling meters you'll ever use.

The Gossen Luna-Star F2 is the result of nearly 60 years' experience in the development of precision light meters. Manufactured to the legendary Gossen standards for accuracy, quality, and durability, the microprocessor-controlled Luna-Star F2 automatically measures and analyzes both flash and continuous light in a single metering operation and displays the reading clearly, in large, easy-to-read numerals.

Incident and reflected light metering

It also measures both incident and reflected light for particularly accurate exposures, especially with subjects that are either very bright or very dark.

Rotating head

It features a rotating head so the light sensor can be pointed in any direction. A series of flash synchronizing speeds from 1 sec. to 1/1000 sec. allow you to control the exposure of flash shots that utilize ambient light as well.

- · Large numerals for easy reading at a glance
- Incident and reflected light metering
- Flash and continuous light metering
- Cord or cordless flash operation
- Calculation for multiple flash exposures
- Simple contrast analysis on the analog aperture scale

- Correction mode for Filter Factors and Bellows Extension
- Full cine scale plus TV PAL standard of 25 fps and NTSC standard of 30 fps
- EV Scale
- Auto off
- Uses 9V alkaline or rechargeable batteries

Technical Specifications

Photo Cell: sbc Silicon Blue Photodiode
Angle of Coverage: 30° reflected, 180° incident
Measuring Range
Ambient: EV -2.5 to EV 18 (ISO 100)
Flash:
Display Range
Film Speed:
Apertures:
Shutter Speeds: 1/8000 sec. to 60 min.
Cine Speeds: 8 to 64 fps (incl. 25 fps)
Measuring Methods: incident or reflected ambient or electronic flash
contrast measurement
Dimensions:
Weight: 4.4 oz (without battery)
Battery:
Other Data:
Flash Sync Speeds: 1 sec. to 1/1000 sec.
(incl.1/90)
EV Corrections:
Extension Factors: 1.0 to 240
Display Duration: 2 min.

w/ auto shut-off and memory



Luna-Star F2 5° Spot Attachment

If you've ever had a problem with getting the correct, exact exposure for a certain important part of a subject or object, the Gossen 5° Spot Attachment is what you need. Made especially for the Luna-Star F and the Luna-Star F2, it's not only easy to handle, but simple to operate. It has a camera-style view finder with a precisely defined 5° measuring circle so you can measure that critical small area from the camera position in both continuous light and flash. And you can also determine the overall brightness range of the scene.

ORDER CODE 4112

Protect your valuable Gossen Meter with a padded case made to hold either the Luna-Star F or the Luna-Star F2 with the 5° Spot Attachment in place.

ORDER CODE 4113



Ultra-Pro

The most complete photographic and photometric meter ever made.

Now there is a single meter which does the work of most other meters and more... and does it more quickly, simply and reliably. The Ultra-Pro is indeed a new definition of meter technology.

- · Reads flash as well as continuous light
- Full range of photographic and photometric functions
- Direct digital readout of contrast range and flash-to-daylight ratios
- Simple, one-handed operation
- Microprocessor controlled, solid-state design
- LCD digital readout in 1/10-stop increments
- Built-in exposure timer, 1 sec. to 126 min.

So many functions, so easy to use

Even though the Ultra-Pro is one of the most comprehensive meters available today, it is actually faster and easier to operate than most. A single, conveniently located function switch can be set to control any of 16 modes of operation.

The Ultra-Pro offers reflected or incident light measurements in both ambient and flash modes, with your choice of aperture or shutter preferred readings in the ambient mode. The flash mode provides cord or cordless readings of both single and multiple flashes.

Versatile precision

The Ultra-Pro has the greatest measuring range of any hand-held light meter, with an ISO range of 1 to 800,000, apertures from f/0.7 to f/90 and exposure times from 1/4000 sec. to 8 hours. A built-in exposure timer helps keep track of your time exposures for up to 126 minutes. Direct readouts of the scene brightness range, contrast ratio, lighting ratio and even flash-to-daylight ratio are possible with unprecedented ease and accuracy. You can measure two extremes of brightness (highlight and shadow, for instance) and get a mean value or the Ultra-Pro can calculate an average of up to 15 separate readings.

Photometric readings for special applications

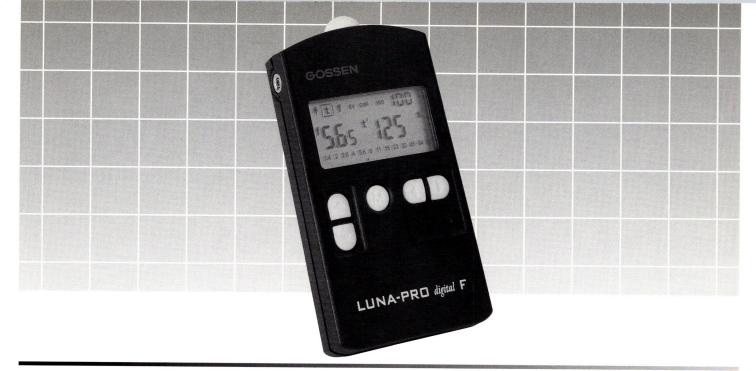
Photometric readings are equally simple. With the flip of a switch, the Ultra-Pro provides a direct readout of density values, lux, lux-seconds, footcandles, footcandle seconds and candelas per square meter.

More advanced features

The Ultra-Pro also features automatic shut-off for battery conservation, with all preselected values such as ISO, f/stop and shutter speeds retained in memory. Removing and replacing the 9V battery initiates a microprocessor self-diagnostic routine, confirming accurate operation during your most critical shoots.

Technical Specifications

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Photo Cell: sbc Silicon Blue Photodiode
Angle of Coverage: 30° reflected (ambient)
180° incident (ambient and flash)
20° reflected (flash)
Measuring Range
Ambient: EV -4 to EV 21 (ISO 100)
Flash:
Density: 0.00 to 3.00
Lux: 0.75 to 350,000
Lux-seconds:
Footcandles: 0.016 to 32,000
Footcandles-seconds:2.7 to 21,900
Candelas/m ² :
Display Range
Film Speed:
Apertures:
Shutter Speeds: 1/4000 sec.to 8 hours
Measuring Methods:incident or reflected
ambient or electronic flash contrast measurement
Dimensions:
Weight: 6.75 oz. (without battery)
Battery: 9V alkaline
Other Data:
Flash Sync Speeds: 1 sec. to 1/1000 sec.
EV Corrections:7.9 EV to +7.9 EV
Extension Factors:
Timer:
Display Duration: 2 min.
w/ auto shut-off and memory



The Gossen Luna-Pro Digital F is a thin, lightweight meter that offers flash as well as ambient light readings, and is very easy to operate. The front panel features control buttons that are recognizable at a glance and a display with easy-to-read numerals. The narrow measuring angle allows you to meter important details of the subject with the greatest accuracy. The contrast range is precisely analyzed and clearly displayed. To conserve batteries, the Luna-Pro Digital F has an automatic power off, but settings and measurements are stored in memory and can be recalled even after the unit has shut down.

This new exposure meter features both ambient and electronic flash reading capabilities, and incorporates a built-in professional incident light diffuser dome that slides out of the way for reflected light measurement.

Night photography and low lighting conditions are where the Luna-Pro Digital F really excels. The wide measuring range assures accurate measurements even at extremely low light levels.

The Gossen Luna-Pro Digital F is so compact it will easily fit into a pocket so it's always handy when you need it.

Luna-Pro Digital F

- Professional incident/reflected light metering
- Ambient light or electronic flash capability
- · Adjusted functions are indicated on the display
- Large, easy-to-read display
- Comprehensive measuring range, high sensitivity for night scenes
- Simple contrast analysis in the analog aperture scale
- Settings and measured values are stored in memory
- Full cine scale, plus 25 fps for TV PAL standard, and 30 fps for NTSC
- Extremely low power consumption
- Auto power off
- Simple operation
- · Super-thin and lightweight
- Ergonomically designed

Technical Specifications

Photo Colli
Photo Cell: sbc Silicon Blue Photodiode
Angle of Coverage: 25° reflected, 180° incident
Measuring Range
Ambient: EV -2.5 to EV 18 (ISO 100)
Flash:
Display Range
Film Speed:
Apertures:
Shutter Speeds: 1/8000 sec. to 60 min.
Cine Speeds: 8 to 64 fps (including 25 fps)
Measuring Methods:incident or reflected
ambient or electronic flash
contrast measurement
Dimensions:
Weight: 3.35 oz. (without battery)
Battery: 1.5V AA alkaline
Other Data:
Flash Sync Speeds: 1 sec. to
1/1000 sec. (incl. 1/90)
EV Corrections:7.9 EV to +7.9 EV
Extension Factors:
Display Duration: 2 min.
w/ auto shut-off and memory



ORDER CODE 4023

Luna-Pro Digital

The Gossen Luna-Pro Digital meter is available as an economical alternative for photographers who shoot exclusively in ambient light. The Luna-Pro Digital offers all of the impressive features and specifications of the Luna-Pro Digital F, only without flash metering capability.



Measure continuous light and flash

The Luna-Pro F is one unique meter for measuring both continuous light and flash, with a silicon blue sensor for instantaneous reading of high and low light levels. Incorporating a Null meter readout, it is ideally suited for determining scene brightness range and lighting ratios, which can be read directly from the meter at any light level.

The Luna-Pro F delivers both incident and reflected light measurements without scale switching or accessories and enables cordless readings of single or multiple flash.

Other capabilities include direct measurement of zone system values; an electronic sample and hold circuit, which stores light measurement for reading in remote areas; readout of all applicable aperture/shutter speed combinations; programmable exposure-factor corrections for working with bellows, filters, etc.; and automatic shut-off to extend battery life.

A full system of interchangeable accessories expand the measuring capabilities of this fine instrument into all areas of photography, exceeding even the most demanding requirements of professionals working on location, studio, darkroom and laboratory assignments.

Technical Specifications

Photo Cell: sbc Silicon Blue Photodiode
Angle of Coverage:
Measuring Range
Ambient:
Flash:
Scale Range
Film Speed:
Apertures:
Shutter Speeds:
Cine Speeds:
Exposure Values:
Measuring Methods: incident or reflected
Dimensions:
Weight: 6.75 oz. (without battery)
Battery:
Other Data:
EV Corrections:
Display Duration: 1 min. w/ auto shut-off and memory

ORDER CODE 4030



The world standard

The Luna-Pro S is the choice of professional photographers, as well as discerning amateurs, all over the world. Experience proven, it provides accurate reflected or incident light readings in all kinds of light, from a flickering candle to a bright summer's sun. As a system meter, you can be sure it will provide correct exposures in any situation. More than just a superb hand-held meter, the Luna-Pro S has a wide range of optional accessories to further increase its versatility.

The Luna-Pro S can be adapted to calculate the correct exposure for photomicrography with the Microscope Attachment. It can be turned into a dual angle "spot meter" with the Variable Angle Attachment. It can be used to take through-the-lens readings from a large format camera's ground glass with the Flexible Fiber Optics Probe Attachment, or you can use it for copy work with the Copy Attachment. And it comes in handy in the darkroom as well; the Enlarging Attachment helps to find the right paper grade for your black & white prints.

Proven accuracy. Proven reliability. Proven versatility. That's why pros have chosen the Luna-Pro S since its introduction.

Technical Specifications

Photo Cell:	Cds Cadmium Sulfide
Angle of Coverage:	
Measuring Range	
Ambient:	0.016 to 32,000 footcandles
	EV -4 to EV 17 (ISO 100)
Scale Range	
Film Speed:	ISO 0.8 to 25,000
Apertures:	f/1 to f/90
Exposure Values:	EV -8 to EV 24
Measuring Methods:	
Dimensions:	
Weight:	
Battery:	two 1.5 V SR44 silver oxide batteries
	. two 1.5 v on 1 volvor oxide batteries
Other Data:	
EV Corrections:	6 EV to + 6EV



Featuring the latest generation silicon blue cell, the Luna Pro sbc reads accurately down to -4 EV for extreme low light capability. It features the accurate Null metering system, take one reading, center the indicating needle pointer with the outer ring of the scale and see not only an exposure reading, but all of the other lens and shutter settings possible at that light level.

The Luna-Pro sbc also provides a ± 3 f-stop scale for direct read-out of brightness range, Zone System values and lighting ratios.

Dial settings are adjustable so that exposure factor corrections for bellows, filters, etc., can be automatically compensated for. An indicator reminds you when this feature is being used.

The Luna Pro sbc accepts a wide range of Gossen accessories, including the Enlarging Attachment, Microscope Attachment, Fiber Optics Probe Attachment, Variable Angle Attachment, Repro/Copy Attachment and Multibeam/Spot Attachment. See page 11 for complete descriptions.

A standard 9V battery powers the system. The range of f-stops and ISO values is even greater than the standard Luna-Pro: apertures from 0.7 to f/128 and ISO values up to 100,000. Of course, you can take both incident and reflected readings with the built-in sliding hemispheric diffuser.

Technical Specifications

roominations	
Photo Cell:	. sbc Silicon Blue Photodiode
Angle of Coverage:	
Measuring Range	
Ambient:	EV -4 to EV 17 (ISO 100)
Scale Range:	
Film Speed:	ISO 0.8 to 100,000
Apertures:	
Shutter Speeds:	
Cine Speeds:	
Exposure Values:	EV -8 to EV 24
Measuring Methods:	
Dimensions:	4¾" x 1¾" x 2¾"
Weight:	6.5 oz (without battery)
Battery:	
Other Data:	
EV Corrections:	9.9 EV to +99.9 EV
Display Duration:	

ORDER CODE 4025

Pilot 2

You're starting right with the tiny Gossen Pilot 2. The most compact meter made for accurate reflected and incident light measurement. There's even an optional accessory available to enable you to mount the Pilot 2 on the hot shoe of your camera. It weighs under 1½ ozs., yet it's got everything you need for movie or still photography. Quick and convenient operation with its large computer

dial and large, clear scales. Perfect exposures, crisp, sparkling black & white, and better color shots are simple with the Pilot 2.

Technical Specifications

Photo Cell:
Angle of Coverage:
Measuring Range
Ambient:
Scale Range
Film Speed:
Apertures:
Shutter Speeds:
Measuring Methods: incident or reflected
Dimensions:
Weight:
Battery: No battery needed

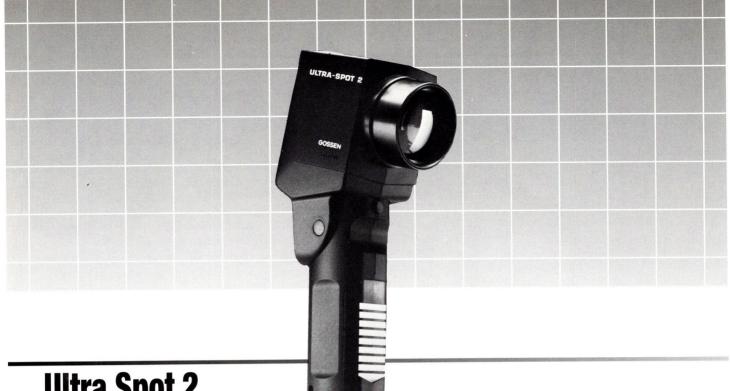
ORDER CODE 4005

Scout 3

This compact and lightweight meter is really simple and easy to use. The Selenium metering cell never needs a battery. Large computer dial with easy-to-read scales; fast convenient operation. High performance with the match needle system covering a wide measuring range. Complete with convenient carrying case and neck strap.

Technical Specifications

recimical opecinications	
Photo Cell:	Selenium
Angle of Coverage:	
Measuring Range	
Ambient:	EV 6 to EV 16 (ISO 100)
Scale Range	
Film Speed:	ISO 6 to 6,400
Apertures:	f/1 to f/32
Shutter Speeds:	
Exposure Value:	EV 0 to EV 20
Measuring Method:	reflected
Dimensions:	21/8" x 31/3" x 11/8"
Weight:	1.75 oz
Battery:	No battery peeded



Ultra Spot 2

The only spotmeter with total information in the viewfinder.

With the Gossen Ultra Spot 2, evaluation of subject detail is faster and easier than ever. That's because the Ultra Spot presents all the information you need at a single glance. When you look through its viewfinder you can see the subject, a 1° measuring circle and a complete display of exposure information.

You never have to take your eyes off your subject, and all controls are operated with a simple set of four buttons and a slide switch that sit right under your thumb.

The combination of electronic accuracy and a high-quality optical lens means the Ultra-Spot provides a vivid 15° view with a 1° circle in the middle to indicate the meter's measuring angle. The exposure information is displayed around the viewing field and includes: ambient light readings, f-stop, shutter speed, exposure value, zone or cine. In addition, you can average up to ten discrete readings.

For ambient light, flash and zone system photography

The Gossen Ultra Spot 2 is truly an all purpose spotmeter that's equally adaptable to color or black & white film. It's engineered for both ambient and flash lighting, plus it's a natural for zone system photography. With its comfortable design, wealth of technically advanced features and fingertip operating ease, the Ultra Spot is a most comfortable and precise way to take all of your spot readings.

See the difference Ultra Spot makes

Ultra Spot 2 puts everything you need to control an exposure right in your hand. In color photography, you can reach new levels of creativity by controlling exposure and contrast like never before. And, in black & white photography, you'll find that Ultra Spot lets you use the complete range between light and shade by allowing you to master even the most extreme light/dark contrasts.

The zone system simplified

Developed by Ansel Adams as a synthesis of technology and intuition, zone system photography is a technique for ensuring that different tonal values of a subject can be reproduced as the desired value gradation. With the Ultra Spot's zone function, you can put this precise technique to work for you. In fact, Ultra Spot was specifically designed to help you easily explore the exciting possibilities in the zone system.

Ergonomic design plus operating ease

Smart as it is, the Ultra Spot is remarkably easy to handle and operate. Its molded grip is comfortable for either right or left-handed users. The conveniently placed control panel can be operated with your thumb and you never have to take your eyes off the subject to use any of the controls. For added ease, Ultra Spot's memory stores all programmed settings as well as the latest readings, so they're available for instant retrieval even after Auto Off.

Technical Specifications

Photo Cell: sbc Silicon Blue Photodiode
Angle of Coverage: 1° reflected (within 15° field of view)
Measuring Range
Ambient: EV 1 to EV 22 (ISO 100)
Flash:f/2.8 to f/90.9 (ISO 100)
Display Range
Film Speed
Apertures:
Shutter Speeds:
,
Measuring Method: reflected
Dimensions:
Weight:
Battery: 9V alkaline
Other Data:
Flash Sync Speeds:
1/1000 sec. (inc. 1/90)
EV Corrections:9.9 EV to +9/9 EV
Extension Factors:
Zone System Calibration: Zone 0-X
Optical System: single lens reflex viewing focusing distance, 3.3' to infinity lens filter thread M 43 x 0.75
Display Duration:



Color-Pro 3F

The Color-Pro 3F is designed for color temperature light balancing in both mired and Kodak Wratten filters, CC filter values, lux and lux seconds.

The state-of-the-art technology of this Gossen color temperature meter analyzes the prevailing lighting situation with flash or continuous light, at the push of a single button. The color temperature is measured and the corresponding filters in Light Balancing or Wratten, and CC values are displayed. The settings and readings automatically appear on the display.

The different sources of light, be it daylight or artificial light (incandescent lamp, halogen, fluorescent tubes, etc.), are measured with great accuracy to analyze the finest differences in shade and color temperature.

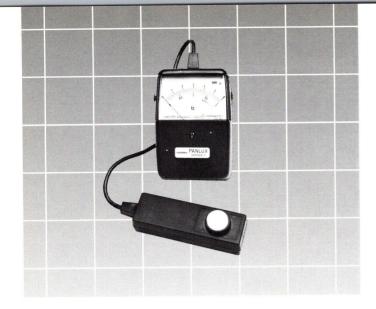
This meter is also ideally suited for studio flashes. Thus, color temperature of the different flashheads and reflectors are measured perfectly and corrected for with proper filtration.

Flash sync speeds between 1/500 sec. and 1/2 sec. can be pre-selected. Gossen Color Temperature Meters will give direct readings of light balancing filters in mired values and Kodak color compensating and color conversion filter values.

- Permanently and variably adjustable film types (film sensitization)
- Display of luminous intensity of flash and continuous light in lux and lux seconds readings
- Adjusted functions are continuously indicated on the display
- New integrated triple sensor in the most advanced technology
- Flash sync triggering button
- Rotating head for easy, convenient operation. A second diffuser, included with the meter, is used to measure extremely bright flashes and continuous light (e.g. with close-ups and special exposures).
- · Meter readings and setting remain in memory
- · Battery check display

Technical Specifications

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Photo Cell: Triple sbc Silicon	Blue Photodiodes
Measuring Range	
Ambient:	10 to 190,000 lux
Flash:	5 to 20.800 lxs
Color Temp:	
LB Filter Values:	
or corresponding Ko	
CC Filter Values:	o 95 magenta and
	0 to 95 green
Display Ranges	
Film Color Balance:	2,000 to 9,900°K
Flash Sync Speeds:	1/2 sec. to
	00 sec (incl. 1/90)
Measuring Method:	incident
Dimensions:	5" x 2%" x 1"
Weight:	z (without battery)
Battery:	9V alkaline
Display Duration:	2 min.
w/ auto shu	it-off and memory



Panlux Electronic 2 Footcandle Meter

Provides critical readings for the most extreme intensities from blazing light to almost total darkness. With 9 measuring ranges, the Panlux can measure from .05 to 20,000 fc. Indispensable for applications as diverse as cinematography, highway lighting, work-area illumination and greenhouses, this ultra sophisticated instrument is balanced to read daylight and any commonly used artificial light except pulsed light. "Cosine factor" problems common to footcandle meters have been eliminated by the unique design of the probe. Controls include a nine-range selector and battery test switch.

Accessories include a Luminance Attachment which attaches to the probe sensor. The Luminance Attachment allows 20° readings from back-lighted or luminous surfaces such as computer monitors, video monitors, TV receivers, graphic panels, diffusion panels and traffic signals.

Also available is the Panlux 2 Calculator. This durable slide rule-type calculator converts footcandles (fc), footlamberts (fl), candelas per square meter (cd/m²) and lux into usable camera exposure readings. Also handy for converting camera exposure readings made with conventional light meter into footcandles, footlamberts, candelas per square meter and lux.

Technical Specifications

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Photo Cell:
Scale Range:
Dimensions:
Meter:
Probe:
Diffuser Diameter:
Probe Cable:
Weight:
OV alkalina

ORDER CODE 4055



Mavo-Monitor Digital Luminance Meter

The Gossen Mavo-Monitor is an illumination level meter, designed for easy and exact measurements in cd/m² (candelas per square meter) from back-lighted or luminous surfaces such as computer monitors, video monitors, TV receivers, graphic panels, diffusion panels and traffic signals. The battery-operated Mavo-Monitor offers four metering ranges, providing readings from 0.01 to 19.999 cd/m², which are digitally displayed on a ½" LCD panel. The metering probe attaches with a 59" cord for remote readings, and features a color-corrected %" x %" sensor surface for very precise measurements. Supplied with fitted case, strap and 9V alkaline battery.

Technical Specifications

Photo Cell: Color-corrected for visible light
Measuring Range:
Display Range:
Dimensions:
Meter:3½" x 6"x 1"
Probe:
Sensor:
Probe Cable:
Weight:
Battery: 9V alkaline

Gossen Accessories

For: Multi-Pro, Ultra-Pro, Luna-Pro F, Luna-Pro F2, Luna-Pro S, Luna-Pro sbc and Luna-Lux System Accessories

This complete range of accessories expands the capabilities of your Gossen meters to meet every demanding application. They incorporate a spring-loaded latch that firmly locks the attachment to the meter.



Variable Angle Attachment

For reflected light readings, the measuring angle of Gossen meters corresponds to a light acceptance angle of 30°. When using the Variable Angle Attachment, this angle can be reduced to either 15° or 7.5°. The small measuring area permits accurate measurements for exposures with telephoto lenses and selective readings of various parts of the scene or subject when normal lenses are used.

When using the Variable Angle Attachment, the 7.5° and 15° areas being measured are visible through a marked reflex viewer with bright aerial imaging.

ORDER CODE 4106



Fiber Optics Probe Attachment

With the flexible Fiber Optics Probe
Attachment on the meter, measurements can
be made in many areas which are usually
inaccessible with an exposure meter. It is
especially suitable for macrophotography,
ground-glass measurements and for density
measurements of negatives or transparencies.

ORDER CODE 4104



Multibeam (Fits Ultra-Pro and Luna-Pro sbc only)

A reflex-viewing spotmeter attachment with 1°, 5°, and 10° angles of acceptance. Single-lens reflex design permits measuring and viewing through the same lens, eliminating parallax problems. A built-in diopter correction allows you to adapt the unit to your own eyes.

ORDER CODE 4122



Microscope Attachment

The Microscope Attachment utilizes the meter's measuring sensitivity for convenience and reliable exposure measurement when taking photomicrographs. The Microscope Attachment fits the ocular tube of most microscopes for exact exposure determination and it's quite useful in measuring light intensity for fluorescent microscopy.

ORDER CODE 4102



Repro (Copy) Attachment

With the Repro Attachment on the meter, it is possible to obtain exposure values on flat copy such as paintings, documents and photographic prints.

The illumination on the copy board can be measured for evenness across various points of the material to be copied. This attachment can also be reversed for measurements of light transmitted through slides or other translucent material being copied.

ORDER CODE 4108



Enlarging Attachment

The Enlarging Attachment will help eliminate guesswork in darkroom printing. It determines contrast range and correct exposure time by measuring the projected image on your enlarger easel. Calibrations for paper speed, direct readings of aperture and exposure time are possible, resulting in savings of time and material.

How did Gossen get so good?

Manufacturers of precision instruments since 1919, and one of the outstanding pioneers in exposure-meter design since 1932, Gossen continues to be the preeminent name in precision exposure meters.

They've applied their broad-based knowledge of electrical and electronic measuring instruments in a variety of ways. In addition to photographic light meters, Gossen also produces

metering instruments for industry and for servicing automobiles as well as power supplies, temperature controllers and electronic voltage regulators.

In today's mass-production-oriented society, there are still a few names that stand for craftsmanship and integrity. Gossen is one of them — and will continue to be in the years ahead.

Order Code	Description	Price
4002	Gossen Scout 3	\$ 69.00
4005	Gossen Pilot 2	124.00
	Compatible Accessories	
4099	Camera Adapter Clip	7.00
4020	Gossen Luna-Pro S	330.00
	Compatible Accessories	
4100	Enlarging Attachment	82.00
4102	Microscope Attachment	78.00
4104	Fiber Optics Probe	386.00
4106	Variable Angle Attachment	112.00
4108	Repro/Copy Attachment	80.00
4145	Battery Adapter Kit w/Batteries	18.00
	(Converts meters with Mercury batteries to Silver Oxide.)	
4022	Gossen Luna-Pro Digital	268.88
4023	Gossen Luna-Pro Digital F	306.00
4025	Gossen Luna-Pro sbc	408.00
4030	Gossen Luna-Pro F	470.00
	Compatible Accessories	
4100	Enlarging Attachment	82.00
4102	Microscope Attachment	78.00
4104	Fiber Optics Probe	386.00
4106	Variable Angle Attachment	112.00
4108	Repro/Copy Attachment	80.00
4122	Multibeam/Spot Attachment	666.00
	(Luna-Pro sbc only)	

Prices and specifications subject to change without notice.

Order Code	Description	Price
4032	Gossen Luna-Star F2	\$ 506.00
	Compatible Accessories	
4112	5° Spot Attachment	136.00
4113	Case for Luna-Star w/5° Spot	34.00
4114	+5-Stop dome (Replacement)	18.00
	(Luna-Star F only)	
4040	Gossen Ultra Pro	1100.00
	Compatible Accessories	
4100	Enlarging Attachment	82.00
4102	Microscope Attachment	78.00
4104	Fiber Optics Probe	386.00
4106	Variable Angle Attachment	112.00
4108	Repro/Copy Attachment	80.00
4122	Multibeam/Spot Attachment	666.00
4050	Gossen Ultra-Spot 2	1020.00
4055	Gossen Panlux	820.0
	Compatible Accessories	
4140	Calculator for Panlux	52.00
4141	Luminance Attachment for Panlux	198.00
4063	Gossen Color-Pro 3F	1360.00
4068	Gossen Mavo-Monitor	1800.00
	Gossen Multi-Pro (discontinued)	
	Compatible Accessories	
4100	Enlarging Attachment	82.00
4102	Microscope Attachment	78.0
4104	Fiber Optics Probe	386.0
4106	Variable Angle Attachment	112.0
4108	Repro/Copy Attachment	80.0