

Gossen hand-held meters give you the creative edge.

Ease and versatility.

Reflected Light

Measuring from the camera towards the subject.

Incident Light Measuring from the subject towards the





camera.





right light reading. In a world where so many cameras

Why hand-held meters?

Your creativity demands the

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. The snapshooter accepts the approximations of an averaging meter and simply throws the exceptions in the wastebasket. But a professional photographer can't afford to work

that way, and the 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.

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).

All Gossen exposure meters measure both reflected and incident light, so even the simplest models 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.

Gossen's Ultra-Pro, Multi-Pro and Luna Star F digital exposure meters do it all for you. They provide accurate digital readouts of continuous light and flash for both the 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 zero metering principle (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.

Other meters may give you midtone readings, but unless you know the full range of brightness in the scene you may lose critical highlight and shadow detail.

 $A \pm 0.1$ EV 3 EV scale makes it easy to compare other areas with the key area on which you've "nulled." It's ideal for scenebrightness measurements and zone-system applications. And it works the same regardless of light level no calculations. 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 your mood 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 F

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

The Gossen Luna Star F 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 Fautomatically 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 several different sources of light.

- 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 f.p.s. and NTSC standard of 30 f.p.s.
- EV Scale
- Auto off

Measuring Ranges

• Uses 9V Alkaline or rechargeable batteries

Luna Star F

Technical Specifications

weasuring kanges:	
Ambient light	EV -2 to EV 18/23 at ISO 100
Flash	f 1 to f 90 at 1S0/100
Indicating/Display I	Ranges:
Film speed	3 to 8000 ISO
Apertures	f 1 to f 90
Shutter speeds	1/8000 sec. to 60 minutes
Other Data:	
	1 to 1/1000 sec. incl. 1/90 sec.
EV corrections	7.9 to +7.9
Extension Factors	1.0 to 239
	8.4 to 64 f.p.s. incl. 25 f.p.s. (TV)
Repeatability	± 0.1 EV
Measuring Angle:	
-	30° reflected light mode
	5" x 2 ⁵ / ₈ " x 1"
	4.4 oz. (without battery)
*With Special Diffuser	



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, made especially for the Luna Star F, is 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 especially for the Luna Star F with 5° Spot Attachment in place.

ORDER CODE 4113

+5 f/Stop Range Extender

Ideal for studio photographers who depend on reflected light measurements in both flash and ambient modes. This self-correcting filter increases the reflected measuring range by 5 stops.



Multi-Pro

State-of-the-art technology for all of today's demanding requirements.

The Multi-Pro light meter represents the latest advances in Gossen precision technology. Featuring digital readout of flash and continuous light. The versatility of the Multi-Pro is further enhanced by the meter's capability with all of the standard Luna-Pro system accessories.

Analysis of flash readings.

Both flash and ambient light are simultaneously measured and readouts indicate the appropriate exposure settings as well as the difference in f-stops between the two readings. This is extremely useful when using fill-flash and when measuring flash to daylight ratios. And you have full flash capability and analysis whether you work with or without a sync cord.

Quick and convenient multiple flash.

There's no need to fire the flash numerous times to measure multiple flash exposures. Based on one flash, the desired working aperture is selected and the meter automatically calculates the necessary number of flashes.

It's highly adaptable.

For ambient light measurements, the Multi-Pro supplies readouts in either exposure value (EV) or aperture/shutter speed combinations enabling the pre-selection of a working aperture or shutter speed priority mode. Once a reading is taken, the digital readout gives all valid combinations. In addition, a moving bar graph extending from -4 to +4 stops of the primary measurement is provided.

The ultimate in versatility.

The Multi-Pro's programmable memory allows for compensation for filters, bellows extension or additional accessories. It can average 15 separate incident and reflected readings without accessories, and supply direct photometric readouts in lux.

For all its sophistication, it's simple.

Operation couldn't be easier - all Multi-Pro measurements can be taken onehandedly. And its powered by a standard 9 volt battery, with automatic battery check built in.

Technical Specifications

Measuring Ranges:	
Ambient light	EV -2 to + 18 at ISO 100
Flash	
Lux range	
Indicating/Display Ranges:	
Film speed	1 to 800.000 ISO
Apertures	
Shutter speeds	
Exposure values	
Other Data:	
Flash sync times	1/60, 1/90, 1/125, 1/250
EV corrections	7.9 to +7.9
Extension Factors	1.0 to 239
Duration of readout	2 minutes
Readiness for flash measuri	
Contrast reading range	±4 stops (in 1/2 stops)
Measuring Angle:	
Continuous light	
Flash	. 20° reflected light mode
Continuous light and flash	. 180° incident light mode
Power source	9 volt (type MN 1604)
Dimensions:	25/8" x 3 ³ /8" x 1"
Weight:	



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 as well. The Ultra-Pro is indeed a new definition of meter technology.

- Reads flash as well as continuous light
- Full range of photographic and photometric readouts/functions- Direct readout of brightness range and contrast lighting and flash-to-daylight ratios Fast, easy to use Simple, one-handed operation Microprocessor-controlled Solid state design LCD digital readout Reads in tenths of a stop Built-in 5-stop flash range extender with automatic correction for high-intensity lighting Built-in timer Silicon blue photo sensor Uses standard 9 volt battery Full range of accessories that automatically adjust.

So many functions, so easy to use.

Even though the Ultra-Prois many meters in one, it is actually faster and simpler to use than most ordinary meters. How can so many functions be controlled so simply? Solid-state microprocessor technology and user-oriented design. A single function switch can be set for any of 16 modes of operation. All controls are conveniently located for quick, easy one-handed operation.

The Ultra-Pro also features automatic shutoff for battery conservation but all

Technical Specifications

Measuring Ranges:

* In high-intensity mode

Ambient light EV -4	to + 18/23 at 21 DIN. 100 ASA
Flash	28.8 lxs to 7,360/236,000 lxs*
Color	2,600°K to 20,000°K
Density	D=0.00 to 3.00
Lux range	0.75 to 350,000 l>
	0.016 to 32,000 fc
Candelas per square me	eter 0.007 to 14,000 cd/m2
	28.8 to 7,360/236,000 lxs*
	2.7 to 684/21,900 fcs
Indicating/Display Range	ges:
Film speed	1 to 800,000 ISO
	1-60 DIN
Apertures	f 0.7 to f 90.9
Shutter speeds	
	1 sec. to 126 min.
Exposure corrections	EV -9.9 to 99.9
Other Data:	
	1/60, 1/90, 1/125, 1/250
EV corrections	EV -7.9 to +7.9
	1.0 to 239
Photo cell	Silicon blue cell
Angle of coverage	30° reflected (ambient)
	20° reflected (flash)
	180° incident (ambient/flash)
Power source	9 volt (type MN 1604)
Dimensions:	5 ¹ / ₂ " x 2 ³ / ₄ " x 1 ³ / ₈ "
Weight:	8.2 oz. (with battery)

pre-selected values such as ISO, f stop and shutter speed are retained in memory until you wish to change them.

Reflected or incident readings without scale-switching or accessories.

No accessories to worry about, no switching from one scale to another the Ultra Promeasures reflected or incident light with your choice of "aperture preferred" or "shutter-preferred" operation. Simply program either f-stop or shutter speed it will be retained in the memory until you change it press the measuring switch and the Ultra-Pro instantly displays the reading within 0.1 stop.

The Ultra-Pro has the greatest measuring range of any hand-held light meter. And with an ISO range of 1 800,000. fstops from f 0.7 f 90 and exposure times from 1/4000th sec. to 8 hours, the Ultra-Pro is ready for any extreme.

Microprocessor self-diagnostics.

Whenever the meter battery is replaced the meter performs an automatic self-check. All meter functions are displayed simultaneously, indicating proper operation of the microprocessor.

An indicator on the LCD display signals when batteries are low and in need of replacement.

Flash metering, cord or cordless, single or multiple.

Whether you prefer cord or cordless operation, the Ultra-Pro will display the proper f stop when measuring electronic flash. You can pre-select shutter speeds or measuring times from 1 second to 1/1,000 second. For multiple flash, simply fire the flash once and the meter will compute the number of multiple flashes necessary to achieve the f-stop you want. No need to repetitively fire the flashthe Ultra-Pro does the work for you.

Time long exposures from 1 second to 126 minutes.

When the meter indicates an exposure time of one second or more, that time is automatically transferred to the timer. Switching to the timer function will now allow you to time that exposure. During the last five seconds of the "countdown there is an audible signal each second. You can also program the timer manually and a hold" capability allows you to pause during timer "countdown.

Direct readouts for complete control of lighting.

Where an ordinary meter gives you only a single measurement, the Ultra-Pro gives you a choice.

You can take a single, simple measurement or you can utilize fully the meters capability to provide you with all the critical information you need for perfect exposures.

Direct readouts of the scene-brightness range, contrast ratio, lighting ratio, and even the flash-to-daylight ratio! You can. for example, measure two extremes of contrast (highlight/shadow) and get a mean value or the meter can calculate an average for up to 15 separate readings.

With flash, the contrast scale will display by how many f-stops the flash increased the ambient light level.

Programmable exposure corrections.

With a flash, the contrast/EV scale can be used to indicate by how much the ambient light level has been increased, thus showing how much overall scene contrast has changed. This feature is also valuable for balancing flash indoors when the scene includes an exterior view, for example, through a window.

Photometric readings for special applications.

There are many situations where actual light values are more important than photographic exposure values. By simply sliding a switch you can measure:

- Density values used for transmitted or reflected measurements of density when evaluating negatives and transparencies in printing.
- Lux (lx)/footcandles (fc) measurements of illuminance used in motion pictures, TV, lighting design and engineering.
- Candelas per square meter (cd/m²) a measure of luminance for reading screen brightness in theaters and CRT displays.
- Lux seconds (lxs)/footcandle seconds (fcs) illuminance values used in measuring strength of light from a flash.

The Ultra-Pro handles them all. And in many cases, the Ultra-Pro will automatically make conversions when you switch from one photometric value to another.

Complete range of accessories.

The Ultra-Pro accepts all existing Gossen accessories. Two of these accessories, the Luna-Color and Profi-Select TTL, have specifically designated functions on the Ultra-Pro for optimum ease of use.

With the addition of the Luna-Color, the Ultra-Pro becomes a digital color-temperature meter.

The readout is in degrees Kelvin and indicates which correction filters are needed for color balance for the type of film you are using.

Using the Profi-Select TTL, ambient light and flash measurements can be taken at the film plane of a view camera, automatically taking bellows factors and filters into account! An optional $4" \times 5"$ cassette helps position the probe accurately.



Luna-Pro sbc

Featuring the latest generation silicon blue cell, the Luna Pro sbc reads accurately down to - 4 EV for extremely 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.

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Using the Profi-Select TTL, ambient light and flash measurements can be taken at the film plane of a view camera, automatically taking bellows factors and filters into account. An optional $4" \times 5"$ cassette helps position the probe accurately.

The Luna-Flash attachment converts the Luna-Pro sbc instantly into a flash meter.

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

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Photo Cell	Silicon blue cell
Angle of Coverage	30° reflected, 180° incident
Sensitivity 0.016 to 32,000 footcan	idles, 0.002 to 4,000 footamberts
	-4 to +17 EV at ISO 100
Power source	9 volt (type MN 1604)
Dimensions:	4 ³ / ₄ " x 1 ³ / ₄ " x 2 ³ / ₄ "
Weight:	
Scale Ranges:	
Cine	4.5 to 144 fps
Exposure values	
Apertures	f 0.7 to f 128
Shutter speeds	
Film speeds	ISO 0.8 to 100,000/0 to 51 DIN
Exposure corrections	



Luna-Pro F

The Luna-Pro F is very flexible, versatile and adaptable photographic light-metering system while at the same time being very simple to use.

Measure continuous light and flash.

One unique meter for measuring both continuous light and flash. A silicon blue sensor for instantaneous reading of high and low light levels. Incorporating a null meter readout, the Luna-Pro F 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 shutoff 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, dark-room and laboratory assignments.

Technical Specifications

Angle of Coverage	
Sensitivity0.12	25 to 32,000 footcandles, 0.016 to 4,000 footlamberts
	-1 to +17 EV at ISO 100, 28.8 lxs. to 7360 lxs. (flash)
Power source	
Weight:	
Scale Ranges:	,
Cine	4.5 to 144 fps
	-8 to 24 EV
Apertures	f 0.7 to f 128
Shutter speeds	
	ISO 0.8 to 100,000/0 to 51 DIN



Luna-Pro S

Since its introduction in 1963, acknowledged as the world standard for accuracy, reliability and range. And, with its five optional accessories, the most versatile Cds system meter ever made.

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 accessory. It can be turned into a dual angle "spot meter" with the Variable Angle accessory. It can be used to take through-thelens readings from a large format camera's ground glass with the Flexible Fiber Optics Probe accessory, or you can use it for copy work with the Copy accessory. And it comes in handy in the darkroom as well; the enlarging accessory 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 Angle of Coverage Sensitivity	30° reflected, 180° incident
Power source	
Dimensions:	2 ⁵ /8" x 1 ¹ / ₄ " x 4"
Weight:	7 oz. (with batteries)
Scale Ranges:	
Exposure values	-8 to 24 EV
Apertures	
Shutter speeds	1/4,000 sec. to 8 hours
Film speeds	



Luna-Pro Digital

The Gossen Luna-Pro Digital is thin, lightweight meter that's 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 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 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 really excels. The wide measuring range assures accurate measurements even at extremely low light levels.

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

- Professional incident/reflected light metering
- 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
- 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

Measuring methods	Incident light
	Reflected Light
	Contrast measurement
Metering cell	
Measuring range at ISO 100/	
moded in grange de locale	EV -2.5 to +18
Repeating accuracy	
Exposure times	
Aperture range	
Cine speed range	
cirie speca range	25 fps and 30 fps for TV
Adjustable and measurable	25 1 p3 and 50 1 p3 101 1 v
correction values and	
extension factors	-79 to ±79
extension ractors	1.0 to 239
Film speeds	
	150 5/6 (0 6000/40
Acceptance angle for	4 250
reflected light measuremen	
Auto power off	
Battery 1.5 V AA-type bat	
Dimensions	
Weight (without battery)	3.35 oz.



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 1 1/2 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

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Photo Cell	Selenium	
Angle of Coverage	52° horizontal, 48° vertical	
	reflected, 180° incident	
Sensitivity	32 to 32,000 footcandles	
	4 to 4,000 footamberts	
	+5 to +17 EV at ISO 100	
Power source	No battery needed	
Dimensions:		
Weight:		
Scale Ranges:	2000 6.16.1 172 02.	
Apertures	f 1 4 to f 22	
Shutter speeds		
Film speeds		
•		

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

Photo Cell	Selenium
Angle of Coverage	
Sensitivity	+6 to +16 EV at ISO 100
Power source	No battery needed
Dimensions:	2 1/8" x 3 1/3" x 1 ¹ / ₈ "
Weight:	1 3/4 oz.
Scale Ranges:	
Exposure Values	
Apertures	
Shutter speeds	
Film speeds	ISO 6 to 6,400



Ultra Spot

The only spotmeter with total information in the viewfinder

With the Gossen Ultra Spot, 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 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 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 spectrum 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

Light sensorSilicon blue cell Reading processorMicroprocessor
Measuring Ranges:
Ambient lightEV 1 to 22 at ISO 100/21°
Flash
Display Ranges:
Film speed
DIN1-60 DIN
Apertures
digitalin 1/10 stops analogin half stops
Shutter speeds
1/90 sec. also provided
Other Data:
Zone system 0 to X; specially adapted
to film development
Measuring angle
Field of view approx. 15° Flash measuring times 1/1000, 1/500, 1/250, 1/125
1/90 1/60 1/30 1/15 and 1/8 sec
1/90, 1/60, 1/30, 1/15 and 1/8 sec. Averaging
in ambient light mode
Exposure value correction 9.9 to +9.9 stops
Extension Factor
Duration of exposure reading display and illumination
Retains last exposure
reading
Retains all programmed
settingsUntil deliberately cancelled
Measuring distance1m to infinity (shorter when using optional accessory lenses)
(snorter when using optional accessory lenses)
Battery/rechargeable battery unit
Dimensions:
57mm wide, 190mm high with grip
57mm wide, 190mm high with grip Weight:
Socket for attachment lenses or filters M 43 x 0.75
Ocular adapter HAMA (Order No. 339/04*)
Standard accessories Case, carrying strap, battery, self-tack gray chart
* Available from requireble trade cutlete

* Available from reputable trade outlets.



Color Pro 2F and Color Pro 3F

The Color Pro 2F and Color Pro 3F are designed for color temperature light balancing-in both mired and Kodak conversion filters, CC filter values, lux and lux seconds.

The state-of-the-art technology of these new Gossen color temperature meters analyze the prevailing lighting situation with flash and continuous light, at the push of a single button. The color temperature is measured and the corresponding filters in Light Balancing 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.

These meters are also ideally suited for studio flashes. Thus, color temperature of the different flashguns and reflectors are measured perfectly and corrected for with proper filtration.

Flash synch 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 permanently 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 powerful flashes and continuous light (e.g. with close-ups and special exposures).
- Meter readings and setting remain in memory
- Battery check display

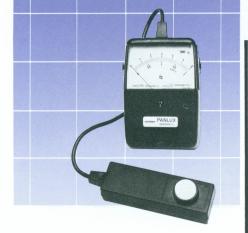
Note: The CC filter, lux and lux seconds display are provided in the Color Pro 3F only.

Note: The CC filter, lux and lux seconds display are provided in the Color Pro 3F only.

Technical Specifications

Measuring ModeTriple range measurement of flash and continuous light Light sensorModern integrated triple silicon photodiode
micro-processor controlled
Measuring Ranges:
Color Temperature2,000 to 40,000k
LB Filter Value399 to +475 mired, or change over to corresponding Kodak
color compensating and color conversion filter values.
Additionally in the Color Pro 3F: 0 to 95 magenta
CC Filter Value0 to 95 green
Luminous Intensity(continuous)
Flash Intensity
Display Ranges:
Pre-setting film color Temperature
Flash Sync Times
Display Duration2 min. followed by auto off, readings remain in memory
Battery 9V Battery or corresponding rechargeable battery. Battery check display
Accessories One special diffuser for additional measuring range
Case, carrying strap and battery
Dimensions
WeightApprox. 4.5 oz. (Without battery)

ORDER CODE 4062 Color Pro 2F ORDER CODE 4063 Color Pro 3F



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. An accessory luminance attachment can be purchased

Technical Specifications

Measuring Ranges:	
Footcandles	0/2/6/20/60/200/
	600/2,000/6,000/20,000
Probe cable	5 feet
Instrument weight 12	2.3 oz. incl. battery and cord
Probe dimensions Lengt	th 4.2", diffuser diameter .8"
Instrument dimensions	4.4" x 3.2 x 1.4"
Power source	9 volt battery
	Probe cable

ORDER CODE 4055



GKL 315 and 500F Cold Light Sources.

The ultimate lighting devices for micro and macro photography. Three flexible lighting arms direct light to any point of the subject to allow overall lighting or spotlighting for special effects. The GKL 315's 150W halogen lamp can be continuously varied within a four stop range while maintaining a constant 3200°K color temperature.

The GKL 500F features flash output via a gold tone flash tube in addition to the continuous light source, to simplify micro and macro-photography with daylight films and isolate small moving objects.

Both units contain an automatic variable speed fan for cool operation and long life of the low-voltage quartz halogen lamp. Optional accessories include lighting control kits and a six-point ring light is also available for the 500F.

Technical Specifications ORDER CODE 4065 4066

OKDEK CODE	4003	4000
	GKL 315	GKL 500F
Lamp	15 volt, 150 watt halogen reflector lamp.	
Color		
Temperature	3,200°K	3,200°K for continuous light. 5,600°K flash.
Dimensions	6.5" x 3.4" x 7"	6.5" x 3.4" x 10.2"
Weight	7.5 lbs.	8.75 lbs.
Length of fiber of		
	•	
Power		120 VAC
Fuse		2.5 AMP

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 pre eminent name in precision exposure meters.

But 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.

Gossen Accessories

Multi-Pro, Ultra-Pro, Luna Pro sbc, Luna-Pro F, Luna-Lux, Luna-Pro and Luna-Pro S 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. The accessories listed below are compatible with the Multi-Pro, Ultra-Pro, Luna-Pro sbc, Luna-Pro F, Luna-Pro S and Luna-Lux.

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



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 exposures determination and it's quite useful in measuring light intensity for fluorescent microscopy.

ORDER CODE 4102

Repro (copying) attachment.

With the Repro Attachment on the meter, it is possible to obtain exposure value of 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 lighttransmitted through slides or other translucent material being copied.



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. After calibrations for paper speed, direct readings of aperture and exposure time are possible, resulting in savings of time and material.

ORDER CODE 4100

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.



Designed for use with the Ultra-Pro and Luna-Pro sbc. these electronic accessories will automatically program the meter response for easy, convenient direct reading.

Luna-Color.

The Ultra-Pro and Luna-Pro sbc become color-temperature meters with the addition of this accessory. The readout is in ° Kelvin and indicates which correction filters are needed for the color balance of the type of film you are using.

ORDER CODE 4128



Profi-Select TTL.

Ambient light or flash measurements can be taken at the film plane of a view camera, automatically taking bellows factors and filters into account. An optional 4" x 5" cassette helps position

the probe accurately.

ORDER CODE 4130

Luna-Probe.

Extends the measuring application into hard-to-reach places. Ideal for macrophotography, view camera ground-glass measurements and even density measurements of negatives and transparencies using the meter's density function.

ORDER CODE 4126

'Multibeam.

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

ORDER CODE 4122

Luna-Sphere.

Enjoy the convenience of a hemispheric light collector that swivels 360° for photographic readings. Or use the interchangeable flat collector disc for precise photometric readings the Ultra-Pro and Luna-Prosbc become direct readout illuminance meters for lux, footcandles, lux seconds and footcandle seconds.





Luna-Flash for Luna-Pro sbc.

This easy-to-use attachment instantly converts the Luna-Pro sbc into a flash meter. For use only with the Luna-Pro sbc.

Order Code 4136

Luna-Micro.

Adapts the meter to the ocular tubes of most microscopes for fast, precise, direct exposure determination.

Order Code 4124

ACCESSORY CHART

	ULTRA-PRO	LUNA-PRO SBC	LUNA-PRO F	LUNA-PRO Luna-Pro S	MULTI-PRO
Variable Angle					
Attachment	Х	X	X	Х	Х
Enlarging Attachment	Х	х	Х	Х	Х
Repro/Copy Attachment	Х	х	Х	Х	Х
Microscope Attachment	х	х	Х	Х	Х
Fiber Optics Probe	Х	Х	Х	Х	Х
Luna-Color	Х	Х			
Profi-Select TTL	Х	х			
Luna-Probe	Х	Х			
Multibeam	Х	X	, ,		
Luna-Micro	Х	Х			
Luna-Sphere	Х	X			
Luna Flash 2		Х			

Order		
Code	Gossen Exposure Meters	Price
4002	Gossen Scout 3	\$ 62.00
4005	Gossen Pilot 2	102.00
4020	Gossen Luna-Pro S	286.00
4022	Gossen Luna-Pro Digital	233.00
4025	Gossen Luna-Pro sbc	332.00
4030	Gossen Luna-Pro F	385.00
4032	Gossen Luna-Star F	440.00
4035	Gossen Multi-Pro	515.00
4040	Gossen Ultra-Pro	945.00
4050	Gossen Ultra-Spot	830.00
4055	Gossen Panlux	660.00
4062	Gossen Color-Pro 2F	830.00
4063	Gossen Color-Pro 3F	1220.00
4065	GKL 315 Halogen Light Source	1260.00
4066	GKL 500F Electronic Flash/Halogen	
	Light Source (includes Sync Cord)	2400.00

Note: The following accessories can be used with the Ultra-Pro, Multi-Pro, Luna-Pro F, Luna-Pro sbc, and Luna-Pro S.

Order Code	Gossen Accessories	Price
4100	Enlarging Attachment	\$ 72.00
4102	Microscope Attachment	66.00
4104	Fiber Optics Probe	344.00
4106	Variable Angle Attachment	98.00
4108	Repro/Copy Attachment	73.00

Note: The following accessories can be used only with the Luna-Star F

Order Code	Gossen Accessories	Price
4112	5° Spot Attachment for Luna-Star F	\$ 115.00
4113	Case for Luna-Star F w/ 5° Spot Attachment	26.00
4114	+5 f/Stop Range Extender	18.00

Prices and specifications subject to change without notice.

Note: The following accessories can be used with the Ultra-Pro and Luna-Pro sbc.

Order Code	Gossen Accessories	Price
4120	Luna-Sphere Attachment	\$ 258.00
4122	Multibeam/Spot Attachment	612.00
4124	Luna-Micro Attachment	80.00
4126	Luna-Probe Attachment	396.00
4128	Luna-Color Attachment	440.00
4130	Profi-Select TTL	1260.00
4132	4 x 5 Cassette f/Profi-Select TTL	450.00

Note: The following accessory is used only with the Luna-Pro sbc.

Order Code	Gossen Accessories	Price
4136	Luna-Flash Attachment	\$ 360.00

Note: The following accessories can be used with the Panlux 2 and GKL 315 and GKL 500F.

Order Code	Gossen Accessories	Price
4140	Calculator for Panlux 2	\$ 42.00
4141	Luminance Attachment for Panlux 2	182.00
4142	Set of Focusing and Color Filters	
	for GKL 315/500F	102.00
4143	Polarizing Filter Set for GKL 315/500F	50.00
4144	6 Point Ring Light for GKL 3156/500F	680.00

Note: The following accessory can be used only with the Pilot 2

Order Code	Gossen Accessory	Price
4099	Camera Adapter Clip	\$ 6.00

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