Operating Instructions

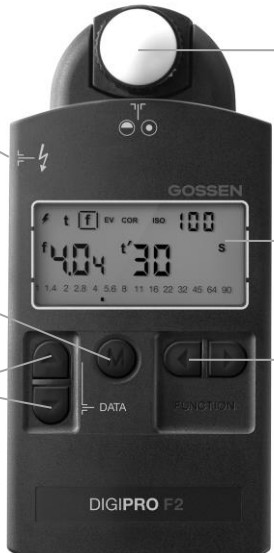
GOSSEN

DIGIPRO F2

Exposure Meter for Flash and Ambient Light

15482
4/09.19





Swivel head

Socket to connect the synchronising cable

Measuring button **M**

Buttons to adjust the values

Display

Buttons to select the required functions



Battery compartment and cover

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The DIGIPRO F2 is a digitally light meter for the measurement of flash and continuous light. It is suitable for analogue and digital photography as well as for analogue and digital film technology. The large measuring range and its precise calibration make it a reliable companion for all film and photo projects.

These features characterize the DIGIPRO F2:

- Swivel head for incident and reflected light measurements
- Measuring flash (cord/noncord) with indication of the level of ambient light
- Measuring resolution in 1/1, 1/2 and 1/3 EV steps
- Digital LCD display in tenths of stops
- Analog contrast display in half stops
- Storage of settings and readings
- Programmable exposure correction combinations of a given reading
- Recall of all possible shutter speed/aperture combinations of a given reading
- Aperture or shutter priority
- HD-CINE - Frame rate 24 fps to 120 fps corresponds to exposure time 1/24 s to 1/120 s
- CINE - Film speed from 8 f/s to 96 f/s, including 25 and 30 for video and adjustable open aperture angle
- Illuminance in lx or fc
- Well-proven push button control allows one hand operation
- Powered by one standard AA battery
- Automatic battery check and auto off

Preparation for use
Please ensure that you are familiar with the operation of your meter and that it is providing consistent, accurate exposures before you commit to photographing any unrepeatable material. We recommend you always carry out test exposures prior to final image capture. **GOSSEN** assumes no liability for consequential damages.

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Safety Precautions
Please read these safety precautions carefully before using your exposure meter. This will help you to avoid damaging the product and prevent personal injury.



This icon identifies important warnings which should be read in any case before the initial start-up of your GOSSEN product.

Warnings



In the event of malfunction, switch off the exposure meter immediately.
If the event that smoke develops or unusual odors become apparent, which are caused by either the exposure meter, remove the battery from the meter in order to prevent possible fire. Continuing to operate the exposure meter after such malfunctions have occurred may result in severe injury. Please contact your local dealer or **GOSSEN** Service in order to eliminate malfunctioning. If you bring or send the meter in for repairs, make sure that the battery has been removed first.



Never use the exposure meter in proximity to flammable gases.
Electronic devices must not be used near flammable gases. Otherwise there would be danger of explosion and fire.



Never hang the meter and/or the carrying strap around the head or neck of a child.
Danger of strangulation exists if the carrying strap is hung around the head or neck of a child.



Store the exposure meter at a location which cannot be accessed by children.
The exposure meter and its accessories include parts which can be swallowed. Make sure that these parts (e.g. housing covers, battery etc.) do not fall into the hands of children who might swallow them. Otherwise, danger of suffocation prevails.



Do not dismantle the exposure meter.
Never touch any parts located inside of the housing - injury may result. Never attempt to repair the meter yourself or try to open the meter. Repairs may only be made by qualified personnel. If the meter's housing is damaged due to dropping or other external influences, remove the rechargeable battery or power supply and contact your local dealer or **GOSSEN** Service for repair.



Avoid any and all contact with liquid crystals.
If the display is damaged (e.g. broken), danger of injury due to contact with glass shards or discharge of liquid crystals exists. Make sure that skin, eyes and mouth do not come into contact with the liquid crystals.



Handle batteries with care.
Rechargeable and normal batteries may leak or explode if handled incorrectly.
Please adhere to the following safety precautions:

- Make sure that the exposure meter is switched off before removing or inserting batteries. Only use the batteries which are recommended for this meter.
- Make sure that the battery is inserted correctly.
- Never short-circuit batteries, and never attempt to open a rechargeable or a normal battery.
- Do not expose the batteries to excessive heat or open flames.
- Do not expose the batteries to moisture; never immerse batteries in water.
- If the meter is not used regularly, remove the battery and close the battery compartment cover
- Never store batteries together with metallic objects which might cause short-circuiting.
- Danger of leakage exists, especially in the case of empty batteries. In order to prevent damage to the exposure meter, batteries should be removed when fully depleted or in case of lengthy periods of non-use.
- When not in use, batteries should be stored in a cool place.
- Batteries heat up during use and may become hot. Be careful not to burn yourself when removing batteries. Switch the exposure meter off or wait until it has shut itself down, and then wait a bit longer until the battery has cooled down.
- Do not use batteries which show any signs of damage such as discoloration or deformation of the housing.

Notes

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- Documentation is subject to change without notice.
- **GOSSEN** assumes no liability for damages resulting from incorrect use of the product.
- Documentation for your **GOSSEN** exposure meter was prepared with the greatest of care. If you should nevertheless discover errors, or if you would like to suggest any improvements, **GOSSEN** would be very pleased to hear from you. (The address of your local **GOSSEN** representative is listed separately.)

Icon for separate collection of recyclable materials / hazardous waste in European countries



This icon indicates that this product must be disposed of separately.

The following must be observed by users in European countries:

- This product may only be disposed of separately at a designated collection point. It may not be disposed of with household trash. For further information contact your local dealer or waste disposal authorities.

1 Display

1.1 The display and its elements

1 Functions
- Flash measurement
- Ambient light measurement with shutter priority
- Ambient light measurement with aperture priority
- Ambient light measurement with read-out of exposure values (EV)
- Entering the correction values
- Setting the film speed

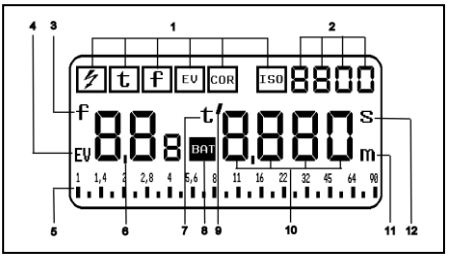
2 Digital display of film speed DIN/ISO

3 Display identification **f** for aperture

4 Display identification **EV** for exposure value

5 Analog aperture scale

6 Left-hand digital display
- Aperture **f**
- Exposure value **EV**
- Correction values
- Multiple flash
- Film speed in DIN



7 Display identification **t** for exposure time

8 Warning sign **BAT** for battery check

9 Display identification **„/“** for fractions of a second

10 Right-hand digital display
- Exposure time **t**
- Exposure extension factor
- CINE (frames per second); symbol ↲
- Film speed in ASA

11 Unit symbol **m** = minutes

12 Unit symbol **s** = seconds

1.2 Duration of display

If for approx. 2 minutes none of the buttons of the DIGIPRO F2 is pressed, the meter will be switched off automatically. The measuring and setting values stored in the memory will be maintained.

- The stored values can be recalled by depressing the function or value buttons
- New measurement is instantly possible when the metering button is depressed.

The values of the last meter reading are stored until a new meter reading is taken.
The DIGIPRO F2 is fitted with separate memories for ambient light and flash measurement.

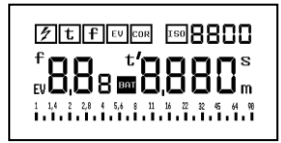
2 DIGIPRO F2 functionality

2.1 Preparations

Battery

The DIGIPRO F2 operates with a 1.5 V AA-type battery (alkaline-manganese battery). Since the meter's power consumption is minimal, the battery will last for a long time. When the battery's capacity becomes exhausted, the **BAT** symbol appears on the display as a warning that the battery has to be replaced at the earliest possible opportunity. Measurements cease to be possible if the display only indicates **BAT**. The battery must be immediately replaced.
To change the battery, open the battery compartment of the DIGIPRO F2. Remove the exhausted battery and insert the new one. Ensure correct polarity **„+“** and **„–“**! Push back the battery compartment cover. Battery changing deletes all stored values.

Self-Checking routine



The microcomputer performs a self-checking routine as soon as the battery has been inserted. Every possible display segment appears on the display during this routine. The duration of the self-checking routine is approximately 10 seconds, but it can be interrupted by pressing any button. The factory programmed basic settings are automatically displayed as soon as the self-checking routine has been completed.

Basic values

ISO: 100/21 ° f: 5.6 COR: 0/ 1.0 EV: 12 t: 1/125 Flash: f 5.6 1/60
Measuring resolution. dEu 1.0

2.2 Incident and reflected light measurement



The features and measuring capabilities provided with the DIGIPRO F2 are ideally suited for the dedicated amateur and the professional photographer. The swivel head will rotate through 180 degrees. This feature allows the photographer to read the values measured in the display, while the measuring head is directed towards the subject or light source. When you remove the diffuser dome, reflected light and contrast measurements can easily be taken.

Measurement by the incident method is far more accurate and reliable to establish the correct exposure setting than the calculating of a mean value obtained with the reflected light measurement in your camera. In the latter case, the reading depends upon the range of contrasts of the subject.

However, there is not always a uniform distribution of bright and dark areas of equal importance within the subject.

Incident light measurement is also imperative with inaccessible subjects. For this purpose it is necessary to select a point that has the same lighting level as the subject. And then a meter reading is taken that lies parallel with the projected connecting line between the actual subject and the camera. This very convenient method of light metering at a point with the same lighting level is highly recommended for outdoor shots. The measurement is performed with a complete „180°“ turn in front of the camera so that the reading is taken with the meter pointing towards the camera, i.e. opposite the actual picture shooting direction.

Incident light measurement, i.e. with diffuser, also gives a precise reading of the brightness range of the lighting. Both kinds of lighting – flash and ambient light – are measured with great accuracy by the incident light method with diffuser.

In addition to this, the DIGIPRO F2 also offers the reflected light measuring method. In this mode the diffuser dome must be taken off and the meter is pointed from the camera towards the subject. The meter now only measures with an angle of 30 degrees the light reflected by the subject. Consequently, the reading always depends upon the inherent brightness of the subject!! This means that inherently brighter subjects are not precisely measured and therefore rendered darker. If readings are to be taken exclusively by the reflected light measuring method, then it is advantageous for the professional to use a grey card (18 % reflection) in this mode. The reflected light method is used to measure the subject contrast which is displayed by the DIGIPRO F2 on its analog scale (see Section 3.2.4 Contrast measurement).

3 The individual functions

3.1 General settings

3.1.1 Setting the film speed



- Select ISO with the function buttons
- Adjust the required ISO value with the value buttons (display left: DIN value, right: ISO value)

Once the film speed has been set, it is transferred to the memory of the DIGIPRO F2 and maintained when the meter is set to any operation function. It remains visible on the top right-hand side in the digital display.
Any change of the film speed directly influences the stored paired aperture and shutter speed values. The selected film speed is retained in the memory until it is changed in the described manner.

3.1.2 Pre-selection of f-stop series and time series

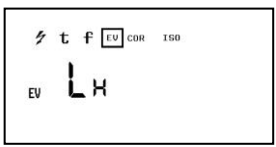
It is possible to pre-select the f-stop settings and the exposure times in 1/1, 1/2 or 1/3 values. First press the function ISO (see below) and simultaneously both function keys “<>”, then use the value key to switch between „dEv 0.3“ (1/3), „dEv 0.5“ (1/2) and „dEv 1.0“ (1/1).

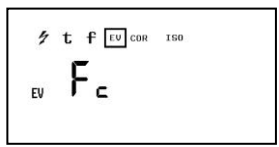


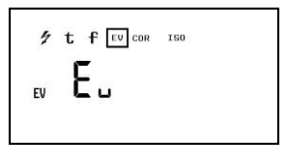


3.1.3 Pre-selection of exposure value [EV], illuminance [lx, fc]

You can change the exposure value measurement function to illuminance measurement. To do this, simultaneously press both function keys "<>" in the function EV (see below), then you can switch between "LH" illuminance in lx, "Fc" illuminance in fc and "Eu" exposure value by pressing the value keys.





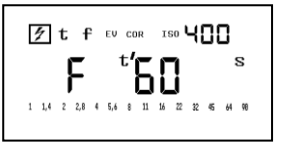


3.2 Measuring functions – Ambient light measurement

Select the required ambient light function with the corresponding function buttons

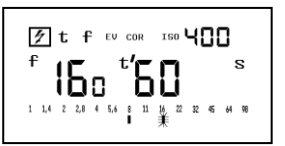
- **Shutter priority** in function **t**: a reading is taken for the corresponding aperture (see Section 3.2.3 Shutter priority mode – Ambient light measurement)
- **Contrast measurement** in function **t**: (see Section 3.2.4 Contrast measurement)
- **Aperture priority** in function **f**: a reading is taken for the corresponding shutter speed (see Section 3.2.5 Aperture priority mode)
- **Exposure value, illuminance measurement** in function **EV**: preselect the shutter speed and the aperture is given as an analog value, alternatively illuminance in lx or fc (see Section 3.2.6 Exposure value, illuminance)
- **HD-CINE** (frame rates for digital movies) in function t: the corresponding aperture is measured (see Section 3.2.7 HD-CINE)
- **CINE** (frames per second) in function **t**: the corresponding aperture is measured (see chapter 3.2.8 CINE scale (frames per second))

3.2.1 Flash readings



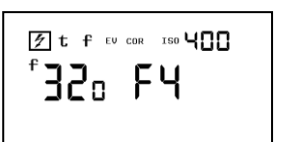
Readings can be taken with or without synchronizing cable. When used in conjunction with a synchronizing cable the flash is triggered by pressing the **M** button - the flash is automatically triggered and measured.

- Select ⚡ with the function buttons
- Adjust the desired synchronizing speed with the value buttons. Synch range from 1 s to 1/1000 s (including 1/90 s)
- Press the measuring button **M**.
  DIGIPRO F2 is operable for metering for a period of 45 s (meter readiness prevails as long as **F** remains visible in the display)



- Trigger the flash
  The measured aperture (total of flash and ambient light) appears in the left digital display, and as a flashing mark on the analog aperture scale. The aperture for the share of ambient light is additionally indicated on the aperture scale (in our example f/8).

3.2.2 Multiple flash



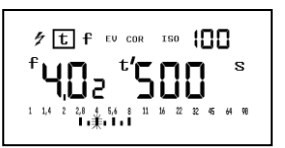
Occasionally the light output from a single flash may not be sufficient to enable you to work at the aperture desired. In that case, simply push the top value button until the desired f/number appears in the display. The digital display of the time **t** disappears and the number of flashes required is indicated (e.g.: F4 = 4 flashes).
The DIGIPRO F2 will calculate up to maximum of 10 flash sequences.

3.2.3 Shutter priority mode – Ambient light measurement



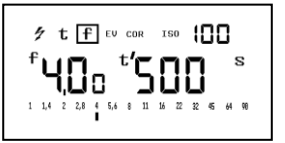
- Select with the function buttons (the last stored value appears in the display)
- Adjust the desired shutter speed with the value buttons
- Measure by pressing the measuring button M
  The measured aperture appears in the left-hand digital display (accuracy: 1/10 stops), also as a rounded mark in the analog aperture scale
- Select alternative aperture/shutter speed combinations with the value buttons.

3.2.4 Contrast measurement



- Select **t** with the function buttons
- Keep the measuring button **M** pressed while aiming the meter at various areas of the subject. The analog aperture scale displays the f-stop series between the two extreme values, and with the actual measured value flashing. The first measured f-stop is displayed in the left-hand side of the display. It remains displayed as a reference value (e.g. of a grey card).
- After the measuring button is released, the entire measured contrast range is displayed on the analog aperture scale, and the last measured value will cease to flash.

3.2.5 Aperture priority mode

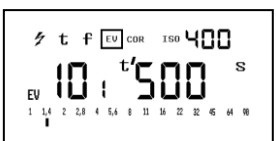


- Select **f** with the function buttons
- Set the desired aperture with the value buttons. The intermediate 1/10 stop values stored from the last measurement appear when the aperture is preset. These are not valid because the valid and actual 1/10 th stops will only appear after the next meter reading is taken.
- Measure by pressing the measuring button **M**
- The measured shutter speed appears in the right-hand digital display
  Automatic adaptation of the aperture in 1/10 stops to the measured shutter speed
- Select other paired aperture/shutter values with the value buttons.

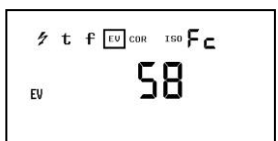
3.2.6 Exposure value, illuminance

- Select **EV** with the function buttons. Depending on the pre-selection, either the exposure value EV or the illuminance in lx or fc appears.
- Measure by pressing the measuring button **M**

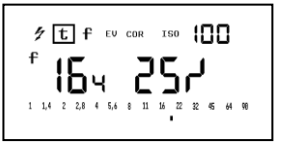
  The measured exposure value appears in the left-hand digital display (accuracy: 1/10 stops), and the aperture as a rounded-off mark on the analog aperture scale
  Alternatively, the illuminance can be displayed in lx or in fc.
- Select with the value buttons other paired aperture/shutter speed values corresponding with this exposure value.





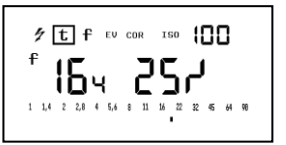


3.2.7 HD-CINE



- Select **t** with the function buttons
- Use value buttons to select the desired time, which corresponds normally to 1 / image frequency. To do this, extend beyond 1/8000 s. After approx. 1 second, the meter switches over to HD-CINE speeds. The exposure time can be preset between 1/24 s to 1/120 s, which corresponds to 24 to 120 f/s.
- Measure by pressing the measuring button **M**
- The measured aperture appears on the left-hand digital display (accuracy: 1/10th stops), and additionally as a rounded-off mark on the analog aperture scale

3.2.8 CINE scale (frames per second)

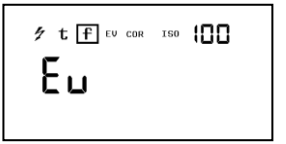


- Select **t** with the function buttons
- Use value buttons to select the desired cine speed (f.p.s.). To do this, extend shutter speed setting beyond 1/8000 s. After approx. 1 s the meter switches over to HD-CINE speeds. Increase the speed beyond 1/120. After approx. 1 s the meter switches over to cine scale, showing the symbol ⌐ on the display. The CINE speeds can be preset between 8 and 96 frames/second.
- Measure by pressing the measuring button **M**
- The measured aperture appears on the left-hand digital display (accuracy: 1/10th stops), and additionally as a rounded-off mark on the analog aperture scale
  The displayed aperture applies to a 180 degrees shutter blade. Enter a COR value in the function for other shutter blades as an extension factor. V = 180 degrees / open aperture angle.

3.3 Measurements outside the measuring range

The DIGIPRO F2 will not produce any useful readings outside its measuring range.

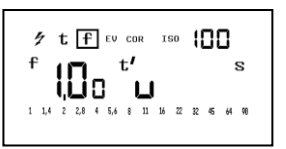
If it is too dark or too bright, an E (= Error) appears in the left-hand digital display, and alongside it U for too dark, or n for too bright.



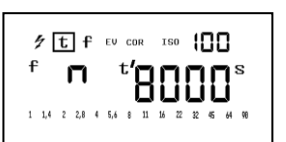
3.3.1 Display outside the display range

If the symbol U or n appears in the right or left digital display it indicates that the taken reading is outside the meter's display range.

With U actuate value button ▲ to enter the display range.



With n acuate value button ▼ to enter the display range.



3.4 Setting and measuring correction values

(see Section 3.4.4 Important remarks concerning correction values)

3.4.1 Setting correction values



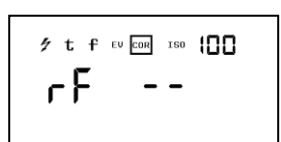
- Select **COR** with the function buttons (the last valid correction value appears in the display)
- Enter or change the correction value with the value buttons
  The extension factor is shown in the right-hand digital display, and the correction value in stops in the left-hand section.
  Enter in 1/10th stops (small figure) within a range of ±9.9 exposure value stops.
  A figure preceded by „**–**“ indicates an exposure extending correction.

Example: –3.1 stops equal factor 8.6.

In the event of an exposure shortening correction, only the left-hand display appears as an exposure value difference in stops.

3.4.2 Measuring correction values

Correction values can also be directly measured. An evenly illuminated surface and constant light level are required. Measure in the reflected mode.

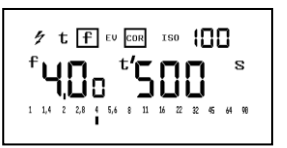


- Press measuring button M and get a reference reading: displayed as **rF--**.

- Weaken light by holding e.g. a grey filter in front of the measuring aperture. Press the measuring button **M**.

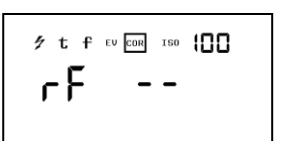


The light reducing factor will be displayed automatically in stops at the right, as extension factor at the left.
Pressing one of the function buttons will transfers the correction value to the memory of the DIGIPRO F2. The COR value is now automatically taken into account in all subsequent measuring functions. The frame around COR is retained as a reminder that a correction value was entered.



3.4.3 Cancelling correction values

- Select **COR** with the function buttons
- Press measuring button (display rF --)
- Select any other function with a function button
- Correction value is cancelled, and the box around COR disappears.



3.4.4 Important remarks concerning correction values

The DIGIPRO F2 is a precision meter calibrated with great accuracy to provide exact exposure data. Should you still not be satisfied with the results, then you should remember that there are independent variables that can influence the success of your exposures.

For example:

- the „true“ sensitivity of the sensor or film may differ from the one listed
- the „true“ shutter speeds and f-stops of your camera may deviate from the rated values
- Deviances may develop during film development or RAW data processing.

Additionally, there is the purely subjective matter of personal taste when evaluating finished pictures. However, you can attune your DIGIPRO F2 to the special characteristics of your camera and workflow.

We recommend the following method:

Measure several normal motifs according to the light metering and object metering methods and take five exposures each. The first exposure must be lit with the exposure data indicated by the DIGIPRO F2 then increase and decrease the exposure data for each following exposure by ½ step and then a full step. The exposure conditions you note must not change during any of these exposures. Now select the optimum exposures from these pictures according to your requirements and compare their exposure values with the metered values. Should you discover that you prefer pictures taken with changed values, you can program these values into your DIGIPRO F2. The DIGIPRO F2 now calculates precise exposure data resulting in optimum pictures while also taking the characteristics of your workflow into consideration.

4 Service and repairs

No special maintenance is required, if the DIGIPRO F2 is handled correctly.
Keep the outside surface clean. Use a slightly dampened cloth for cleaning. Do not use cleansers, abrasives or solvents.

Should the meter nevertheless not work to your satisfaction, please send the DIGIPRO F2 to:

GOSSEN Foto- und Lichtmesstechnik GmbH I Lina-Ammon-Str.22 I D-90471 Nürnberg I Germany
Phone: +49 911 800621-0 I Fax: +49 911 800621-29 I E-Mail: info@gossen-photo.de

www.gossen-photo.de

or to the GOSSEN distributor in your country. You can find the address of the local GOSSEN distributor on our website under www.gossen-photo.de.

5 Technical data

Measuring methods	Incident light / Reflected light / Contrast measurement Flash (cord/cordless) Indication of ambient light share Exposure value, illuminance in lx or fc
Sensor	Silicon blue cell photodiode
Measuring range	LW –2.5 to +18 (with ISO 100/21 °)
Repeatable accuracy	±0.1 EV
Measuring resolution	1/1, 1/2 and 1/3 EV steps
Exposure times	1/8000 s to 60 min
Aperture stops	f/1 to f/90 9/10
Measuring range flash	f/1 to f/90 (with ISO 100/21°)
Flash synch speeds	1 s to 1/1000 s including 1/90 s (meas. time)
HD-CINE values	1/24, 1/25, 1/30, 1/48, 1/50, 1/60, 1/96, 1/100, 1/120 s
CINE values	8, 12, 16, 18, 24, 25, 28, 30, 32, 36, 48, 50, 60, 64, 96 fps
Adjustable and measurable correction values	–9.9 to +9.9
Extension factors	1.0 to 240
Film speeds	ISO 3.2/6° to 8000/40°
Acceptance angle for reflected light	30°
Battery	1 x 1.5 V AA-type max. 15VA, suitable Li battery also possible, battery condition indication
Operating temperature	-10 °C to 50 °C
Accessories	Case, neck strap, battery and operating instructions
Dimensions	approx. 65 x 118 x 19 mm
Weight	approx. 125 g (incl. battery)

HD-CINE

- Select **t** with the function buttons
- Select the desired time, which corresponds normally to 1 / image frequency, by using the value buttons and go beyond 1/8000 s. After 1 s the meter switches to HD-CINE speeds. The exposure time can be preset between 1/24 s to 1/120 s, which corresponds to 24 to 120 f/s.
- Measure by pressing the **M** button
- Measured aperture appears in the left display and as a mark on analog aperture scale

CINE scale (frames per second)

- Select **t** with the function buttons
- Select the CINE speeds from 8 to 96 fps with the value buttons by going beyond 1/8000 s, after 1 s the meter switches to HD-CINE range, then going beyond 1/120 s and after 1 s the meter switches to CINE range showing the symbol ↵ in display.
- Measure by pressing the **M** button
- Measured aperture appears in the left display and as a mark on analog aperture scale

Battery

1.5 V Mignon Type AA (alkali-manganese)

- Attention to warning **BAT** – change battery

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DIGIPRO F2

Condensed Instructions



Swivel head

Socket to connect the synchronizing cable

Display

Measuring button M

Buttons to select the required function

Buttons to adjust the values

Setting the film speed

- Select **ISO** with the function buttons and adjust the required ISO value with the value buttons

Pre-selection of f-stop series and time series

- Select with the function buttons **ISO,** then press simultaneously both function buttons "<>" and use the value buttons to switch between „dEv 0.3" (1/3), „dEv 0.5" (1/2) and „dEv 1.0" (1/1).

Ambient light measurement
Shutter priority mode

- Select **t** with function buttons and set desired shutter speed with value buttons
- Measure by pressing the **M** button
- The measured aperture appears

Contrast measurement

- Select **t** with the function buttons
- Keep the **M** button depressed while aiming the meter at various areas of the subject
- After releasing **M** button, the entire contrast range is displayed on the analog aperture scale

Aperture priority mode

- Select **f** with the function buttons and set the desired aperture with the value buttons
- Measure by pressing the **M** button
- Measured shutter speed appears in right display

Exposure value, illuminance

- Select **EV** with the function buttons. Depending on the pre-selection, either the exposure value EV or the illuminance in lx or fc appears.
- Measure by pressing the **M** button
- The exposure value appears in the left display and the aperture as a rounded-off mark on the analog aperture scale. Alternatively, the illuminance can be displayed in lx or in fc.

Flash readings

- Readings with or without synchronizing cable
- Select  with the function buttons
- Adjust desired synchronizing speed with value buttons, 1 s to 1/1000 s; including 1/90
- Press measuring button **M** and trigger the flash
- Measured aperture stop appears in left display and as a flashing mark on analog aperture scale. Aperture stop for the level of ambient light is additionally indicated on analog aperture scale

Multiple flash

When the light output from a single flash is not sufficient you to work at the aperture desired, the DIGIPRO F2 is able to automatically calculate the necessary number of flashes: (desired aperture e.g.: F4 = 4 flashes)

- Press value button ▲

EG - KONFORMITÄTSERKLÄRUNG
DECLARATION OF CONFORMITY

GOSSEN

Dokument-Nr./ Document. No.:	108/2013
Hersteller/ Manufacturer:	GOSSEN Foto- und Lichtmesstechnik GmbH
Anschrift / Address:	Lina-Ammon-Str.22 D-90471 Nürnberg
Produktbezeichnung/ Product name:	Belichtungsmesser / Exposure Meter
Typ / Type:	DIGIPRO F2
Bestell-Nr. / Order No.:	H261A

Das bezeichnete Produkt stimmt mit den Vorschriften folgender Europäischer Richtlinien überein, nachgewiesen durch die vollständige Einhaltung folgender Normen:

The above mentioned product has been manufactured according to the regulations of the following European directives proven through complete compliance with the following standards:

Nr. / No.	Richtlinie	Directive
2006/95/EG 2006/95/EC	Elektr. Betriebsmittel zur Verwendung innerhalb bestimmter Spannungsgrenzen - Niederspannungsrichtlinie - Anbringung der CE-Kennzeichnung : 2011	Electrical equipment for use within certain voltage limits - Low Voltage Directive - Attachment of CE mark : 2011
EN/Norm/Standard: EN 60950-1 : 2006 + A11:2009 + A1:2010 + A12:2011 + AC:2011		

Nr. / No.	Richtlinie	Directive
2004/108/EG 2004/108/EC	Elektromagnetische Verträglichkeit - EMV - Richtlinie	Electromagnetic compatibility - EMC directive
EN/Norm/Standard: ETSI EN 301 489-1 ; V1.9.2 ; 2011-09, ETSI EN 301 489-3 ; V1.4.1 ; 2002-08		

Nürnberg, 10. Januar 2013

Ort, Datum / Place, Date

Richter K.-P.

Geschäftsführer / Managing Director

Diese Erklärung bescheinigt die Übereinstimmung mit den genannten Richtlinien, beinhaltet jedoch keine Zusicherung von Eigenschaften. Die Sicherheitshinweise der mitgelieferten Produktdokumentationen sind zu beachten.

This declaration certifies compliance with the above mentioned directives but does not include a property assurance. The safety notes given in the product documentations which are part of the supply must be observed.

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