



The fascination  
of flash photography.

2016 / 2017



# “Paint” with the flash.



Every subject has its own particular charm. The creative use of flash opens up numerous photographing possibilities, e.g. reducing the subject contrast, highlighting certain picture areas or getting rid of unwanted shadows. The first-class flash units from Metz offer natural colours and harmonious mood lighting – with every subject.

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## System flash units



**12** mecablitz  
64 AF-1 digital



**14** mecablitz  
52 AF-1 digital



**16** mecablitz  
44 AF-2 digital



**18** mecablitz  
M400



**20** mecablitz  
26 AF-2



**22** mecablitz  
36 AF-5 digital

## System flash units



**23** mecablitz  
24 AF-1 digital



**26** mecablitz  
15 MS-1 digital-Kit

## Specialist flash units



# Metz mecatech – a focus on quality.



Whether light output, convenience of use or reliability, the first-class quality of Metz flash units is unquestionable – as proven in numerous independent tests. In order to ensure this high standard in the future too, our products are predominantly developed and produced at our site in Germany. The technical perfection of our products is based on highly-qualified employees and systematic quality management.

## Other divisions of Metz mecatech GmbH:



### System solutions for plastics technology.

Metz is in high demand as a partner to firms specialising in top-quality plastics technology and provides services tailored to the wishes of its clients from the fields of consumer electronics, automobiles and many other industries.

The experts at Metz use the latest methods from injection moulding and surface processing. The fleet of machines used by Metz enable an extraordinarily large range of products to be offered for the manufacturing of plastic parts and for surface finishing.

The name Metz has been synonymous with professional flash units for decades. Our company's exceptional reputation has been shaped by numerous technical innovations – such as the use of USB connections which allow flash units within the camera system to be updated for the latest camera model even after purchase. Today, we offer a diverse range of products from convenient compact flashes right through to powerful handheld flash guns. Our know-how and experience also guarantee technical perfection for the future.



### In-house SMD production.

Printed conductor boards are used in all electronic devices. Metz has its own conductor board production facilities in Zirndorf, Germany, which ensure the best environmental credentials, an efficient supply chain, as well as the highest quality in Metz products.

Metz's modern SMD production lines are characterised by the highest level of efficiency, a large output and absolute precision. Metz is a partner to all sectors – wherever conductor boards of the highest quality are required.



Brilliant light for the perfect moment.

### Your subject in the best possible light.

Using a flash no longer simply means making a dark subject lighter. Anyone using additional light when taking a shot can creatively manipulate the light to suit their requirements – aiming it directly at the subject, indirect flash with a reflector, or even flash “without constraints” with devices that can be used independently of the camera.

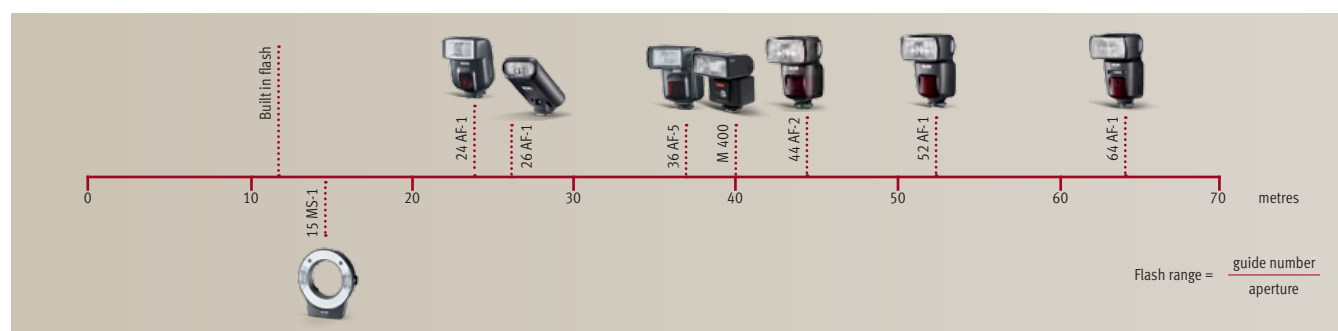
Many Metz flash units make it possible to calibrate light levels, weighting them as desired to deliver just the right mood lighting. Even by day, the right flash can deliver better photos; brightening shadows or contre-jour to give pictures undreamt of sharpness and brilliance.

### High guide number, high light output.

An integrated flash normally has a guide number of around 12 (ISO 100/21°). That means that a maximum distance of around 2m can be sufficiently lit with f-stop 5.6. In comparison, an average system flash with a guide number of 50 and the same light sensitivity could provide superb results up to a distance

of 9m. Under the same conditions, a high-performance unit as the Mecablitz 64 AF-1 with a guide number of 64 can easily illuminate objects as far as 11m away.

### Maximum flash range for ISO100 and f-stop 1 in comparison





## Spanning great distances.

Thanks to digital flash control (e.g. E-TTL) the light output of a Metz system flash unit can be controlled via the camera. In order to preserve the ambient mood lighting, the shutter speed should be longer than the flash sync speed – but no longer than 1/60 second for portraits.



*with flash*



*without flash*



## Touch display with swivel function.

The mecablitz 64 AF-1 digital's new, colourfully lit touch display presents a real flash unit innovation: when turned from the vertical to horizontal view, the screen also automatically changes the viewing mode. This means that you always have the best access to all functions.

*Whether used vertically or horizontally: the back-lit colour touch display is always perfectly aligned.*



## Contre-jour flash.

Manipulated with skill, contre-jour can deliver interesting lighting effects. Using a flash is a must. Reducing the f-stop by one or two points makes it possible to retain the character of the ambient light. The higher the guide number, the greater the range of the flash unit.



*with flash*



*without flash*

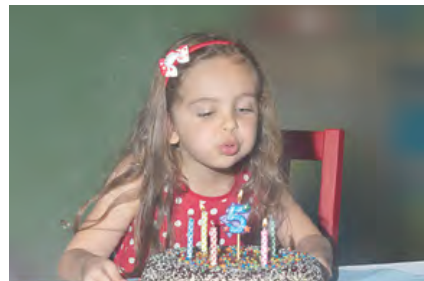


## Bouncing flash.

When it comes to portraits, turning or rotating the reflector head for a bouncing flash can be highly effective. Light can be deflected via a special reflector umbrella or a flip-out reflector card integrated into the flash unit itself – to create soft harmonious lighting.



*bouncing flash*



*direct flash*

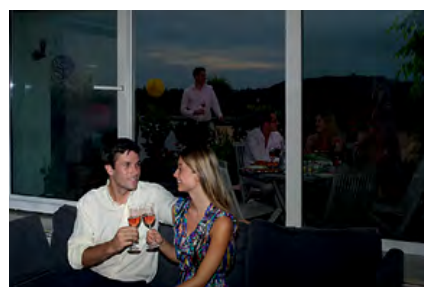
## Off-camera flash with master and slave.

Several flash units can be used simultaneously to evenly illuminate shots or achieve effects. The remote systems on modern digital cameras are particularly suited to this. With most systems a Metz flash unit, like the mecablitz 64 AF-1 digital, can be set as the 'master'. This allows the corresponding slave flash units –

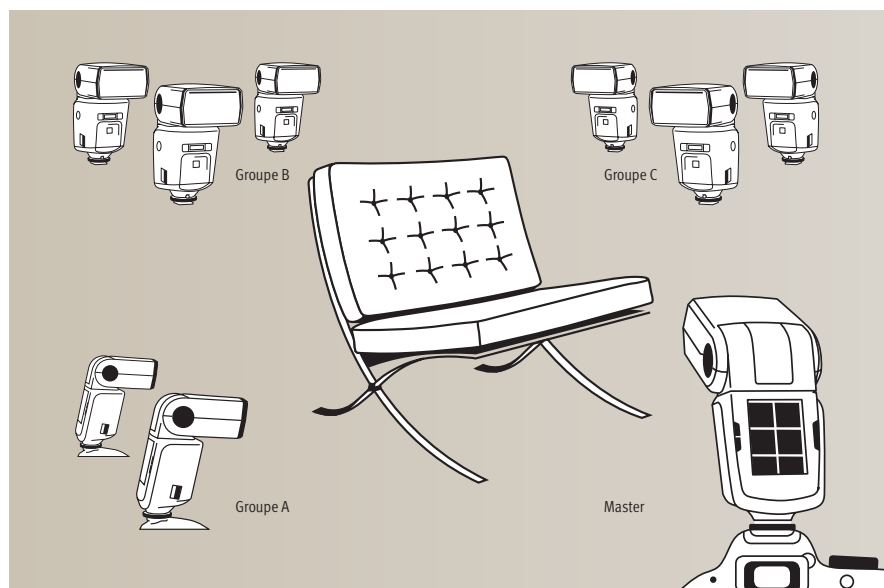
the number of which is unlimited – to be activated wirelessly, as well as controlled using the camera-specific TTL flash mode. All flash units with slave function are suited to slave mode\*.



## “Off-camera flash”.



*with or without slave flash mode*



A remote system consists of a master or controller flash unit on the camera and one or more slave flash units. The slave flash unit is wirelessly remotely controlled by the master or controller flash unit. Unlike a controller flash unit, with a master flash unit, the flash contributes to the exposure.

Slave flash mode is perfect for particularly creative lighting design. This involves the positioning and use of an external flash unit wherever required, and entirely without the need for a cable. This can create interesting light accents – or with the use of several slaves the split lighting of subject and background.

\* in the respective camera system





## Long shutter speeds.



*long shutter speed*



*shorter shutter speed*

Get creative and try taking shots with longer exposure times than sync times. In this way, moving subjects can, in around one second, create interesting blur effects and a corresponding lightening of the foreground.

## USB connection

Metz flash units with USB interfaces are particularly future-proof. Straightforward firmware updates are possible at anytime via the internet.



## Intelligent secondary reflector technology.

Portrait shots with direct flash can quite often be identified by their typically harsh and distinct shadow formation. These shadows can be avoided by using a bouncing flash. But even a bouncing flash can produce undesirable effects. These are typically shadows under the model's nose or on their eye sockets.

This can be remedied by a secondary reflector, which in addition to the pivoted main reflector illuminates the subject directly to achieve even illumination.

For example, the new, top-of-the-range mecablitz 64 AF-1 digital is equipped with this intelligent secondary reflector technology, which is fully integrated into the camera's photometer.



*The mecablitz 64 AF-1 digital secondary reflector offers evenly distributed light.*

# A lot of power for the best light.



Optimal light – even at a great distance: Metz's powerful flash units have enough power to perfectly illuminate your photos – e.g. subjects that move. Light levels can be controlled as desired and adjusted according to the situation: in this way, the flash creates sharper and more brilliant photos – even in daylight.

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*Connection friendly, thanks to an integrated sync cable socket.*

**mecablitz 64 AF-1 digital**

## The new star of the flash world.

### **This top model puts every subject in the perfect light.**

The mecablitz 64 AF-1 digital impresses with its high-performance guide number 64 at ISO 100/21° and 200mm focal length. This makes the mecablitz 64 AF-1 digital one of the most powerful compact flash units in the world and what's more it boasts impeccable workmanship and abundant functions. The new rotating touch display with coloured lighting is a particular highlight. Coupled with its intuitive operating system, this allows the photographer to make quick adjustments to the multifarious setting options, no matter what the situation. The newly-developed motorised zoom means the mecablitz 64 AF-1 digital is capable of illuminating focal lengths from 24 to 200mm superbly. Moreover, this flexible high-performance unit boasts a USB interface that enables the specific firmware for each of the models to be conveniently updated via computer and Internet. Its design and pleasant feel also leave nothing to be desired. Not only does the powerful mecablitz 64 AF-1 digital look fantastic, it provides perfect illumination for any flash exposure. The 64 AF-1 is the top of the Metz flash unit range, and features intelligent secondary reflector technology, which allows wonderfully balanced light distribution, especially for portrait shots.





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# Overview:



Flip-out  
reflector card



Swivel reflector



USB interface

And the new rotating  
touch display with  
coloured lighting is a  
particular highlight.



## Flash output \*

- High max. guide number 64 for ISO 100 (200 mm)

## Basic configuration\*

- Secondary reflector with 2 light levels
- Vertical (–9/+90°) and horizontal (300°) swivel reflector
- Large illuminated, graphic touch display in colour, with automatic rotating function (90°)
- Simple operating concept
- Motorised zoom for 24–200 mm illumination
- Spot and extended zoom
- Integrated wide-angle diff user for 12 mm illumination
- Flip-out reflector card
- Modelling light (permanent light for checking shadows)
- Integrated autofocus multi-zone flash metering
- Flash readiness indicator and correct exposure display on unit and on camera \*\*
- Flash range displayed on graphic display
- Acoustic status notifications (beep)
- Automatic unit shut-off and manual key lock
- Wake-up function via the camera
- Integrated sync cable socket
- Power pack connection
- Rapid mode
- Programme memory (4 memory locations)
- Metal base\*\*\* with quick lock

## Standard flash modes

- TTL flash mode
- Automatic flash mode with 12 f-stops
- Manual flash mode with 25 lighting levels
- Strobe flash mode
- Servo flash mode with learning function
- HSS – high speed synchronisation\*\*
- 1st and 2nd shutter curtain synchronisation
- Manual flash exposure correction for TTL or automatic flash mode
- Automatic fi II-in flash
- Flash bracketing

## Ready for the future

- Firmware update via integrated USB socket

## Power supply

- 4 × AA alkaline-magnesium or lithium batteries
- 4 × AA NiMH rechargeable batteries
- Power Pack P8

## Included as standard

- Belt pouch
- Slave stand

## Camera-specific system flash modes(\*\*)

### ■ Canon version

- E-TTL / E-TTL II flash mode
- E-TTL remote mode

### ■ Nikon version

- i-TTL / i-TTL BL flash mode
- i-TTL remote mode

### ■ Olympus/Panasonic/Leica version

- Micro four thirds / four thirds TTL flash mode
- Micro four thirds TTL remote mode

### ■ Pentax version

- P-TTL flash mode
- P-TTL remote mode

### ■ Sony Multi Interface version

- ADI flash mode / TTL pre-flash
- ADI remote mode

\* Focal length indication in KB format

\*\* Functions depend upon camera being used

\*\*\* Excludes Sony Multi Interface version

**mecablitz 52 AF-1 digital**

# Perfect mood lighting.

## High-tech innovative operation.

Genuine enlightenment for all modern cameras. Thanks to its maximum guide number 52 for ISO 100, the Metz mecablitz 52 AF-1 has more than enough power to cope with any shot – the horizontally swivelling and vertically tilting reflector ensures optimal lighting control. Any subject can be professionally set off to best advantage with the help of the integrated diffuser for wide angle shots, and the white reflector card. The fully automatic motorised zoom can adjust lighting angles to precisely suit the focal length of the lens. And even wireless flash – whether in TTL or servo mode – is mastered to perfection by the Metz mecablitz 52 AF-1. Even in low light, the powerful autofocus metering flash can achieve razor-sharp images – and the modelling light makes it possible to evaluate light and shade on the subject prior to shooting. What's more, it holds its own in terms of ease of operation too. The Metz mecablitz 52 AF-1 is the first compact flash unit in the world to be equipped with an illuminated touchscreen display which can be swivelled through 90° – particularly practical for portrait shots. A free software update is available via the USB interface at any time.



*Illuminated touch-screen display with automatic swivel function (90°).*





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# Overview:



Detail metal base\*

Flip-out  
reflector card

Swivel reflector

Firmware updates can  
be easily installed using  
the USB interface.



## Flash output

- High max. guide number 52 for ISO 100/21° and 105 mm

## Basic configuration

- Vertical (+90°) and horizontal (300°) swivel reflector
- Illuminated touchscreen display with automatic swivel function (90°)
- Simple operating concept
- Motorised zoom for 24–105 mm illumination
- Spot zoom mode
- Integrated wide-angle diffuser for 12 mm illumination
- Flip-out reflector card
- Modelling light (permanent light to check shadow)
- Integrated autofocus flash metering
- Flash readiness indicator and correct exposure display on unit and on camera\*\*
- LCD flash range display
- Automatic unit shut-off
- Metal base\* with quick lock

## Standard flash modes

- TTL flash mode (digital only)
- Manual flash mode with 22 lighting levels
- Servo flash mode with learning function
- HSS – high speed synchronisation\*\*
- 1st and 2nd shutter curtain synchronisation
- Manual flash exposure correction for TTL flash mode
- Automatic fill-in flash

## Ready for the future

- Firmware update via integrated USB socket

## Power supply

- 4 × AA alkaline-magnesium or lithium batteries
- 4 × AA NiMH rechargeable batteries

## Included as standard

- Belt pouch
- Slave stand

## Camera-specific system flash modes\*\*

- **Canon version**
  - E-TTL / E-TTL II flash mode
  - E-TTL remote mode
- **Nikon version**
  - i-TTL / i-TTL BL flash mode
  - i-TTL remote mode
- **Olympus/Panasonic/Leica version**
  - Micro four thirds / four thirds TTL flash mode
  - Micro four thirds TTL remote mode
- **Pentax version**
  - P-TTL flash mode
  - P-TTL remote mode
- **Sony Multi Interface version**
  - ADI flash mode / TTL pre-flash
  - ADI remote mode

\* Excludes Sony Multi Interface version

\*\* Functions depend upon camera being used

## mecablitz 44 AF-2 digital

# Simply better lightning.

### Allrounder with even more potential.

The mecablitz 44 AF-2 digital is the ideal solution for price-conscious, dedicated video- and photographers. The clear control panel on the back of the unit impresses with its easy usability and offers a high level of functional reliability. The high performance affords power reserves in any photo situation (max. guide number 44 for ISO 100/21° and 105 mm). Depending on the camera, it has the appropriate application possibilities for any lighting conditions in TTL mode. The photographer can manually set up to 4 light levels, allowing to vary the lighting effects. The integrated high-performance LED creates additional light for video recording.

With the appropriate camera model the mecablitz can also be synchronised to the first or second shutter curtain and supports the High Speed Synchronisation (HSS respectively FP). This enables variable options for creative lighting. Depending on the camera, the Metz 44 AF-2 also offers a slave mode, making wireless TTL flash a child's play – and opens up new dimensions in flash photography. Its motorised zoom function (24-105 mm), the fully swivelling reflector with flip-out reflector card and the integrated wide-angle diffuser (12 mm) affords the photographer additional creative scope.



*Clear and easy to operate.*





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# Overview:



USB interface

Flip-out  
reflector card

*Its fully swivelling reflector with flip-out reflector card and the integrated wide-angle diffuser (12 mm) afford the photographer additional creative scope.*



## Flash output

- High max. guide number 44 for ISO 100/21° and 105 mm
- High flash numbers (e. g. 270 full flashes with NiMH batteries [2100 mAh])
- Flash delay 0.1–3 sec. (depending on power source and flash output)

## Basic configuration

- Simple operating concept
- Vertical (+90°) and horizontal (300°) swivel reflector
- Motorised zoom for 24–105 mm illumination
- Integrated wide-angle diffuser for 12 mm illumination
- Flip-out reflector card
- Modelling light (permanent light to check shadow)\*\*
- Integrated autofocus flash metering
- Flash readiness indicator and correct exposure display on unit and on camera\*\*
- Automatic unit shut-off
- Wake-Up function by camera
- Metal base\*\*\* with quick lock
- High performance LED video light, adjustable in 4 levels

## Standard flash modes

- TTL flash mode (digital only)
- Manual flash mode with 4 lighting levels
- Automatic fill-in flash
- 1st and 2nd shutter curtain synchronisation\*\*
- Pre-flash for Red-eye reduction\*\*
- High speed synchronisation (HSS/FP)\*\*

## Ready for the future

- Firmware update via integrated USB socket

## Power supply

- 4 x AA alkaline-magnesium or lithium batteries
- 4 x AA NiMH rechargeable batteries

## Included as standard

- Belt pouch
- Slave stand

## Camera-specific system flash modes\*\*

### ■ Canon version

- E-TTL/E-TTL II flash mode
- E-TTL remote mode\*

### ■ Nikon version

- i-TTL/i-TTL BL flash mode
- i-TTL remote mode\*

### ■ Olympus/Panasonic/Leica version

- Micro four thirds/four thirds TTL flash mode
- Micro four thirds/four thirds TTL remote mode\*

### ■ Pentax version

- P-TTL flash mode
- P-TTL remote mode\*

### ■ Sony Multi Interface version

- ADI flash mode/pre-flash TTL
- ADI remote mode\*

### ■ Fujifilm version

- TTL Auto flash mode

\* Slave mode

\*\* Functions depend upon camera being used

\*\*\* Excludes Sony Multi Interface version

## mecablitz M400

# Compact and powerful.



*Clearly and simple to operate*

### Perfectly equipped, attractively packaged.

The mecablitz M400 represents a new generation of compact flash systems. It is especially suited to mirrorless system cameras and is ideal for any photographers or film-makers looking for a convenient flash unit. The mecablitz M400 is also highly equipped and leaves nothing to be desired. The maximum guide number of 40 for ISO 100 is capable of handling almost all shooting situations. Versatile lighting options are provided by the motor zoom function (24-105 mm), the fully pivotable reflector with removable reflector card and the integrated wide-angle diffuser (12 mm). The M400 is also ideal for wireless operation, be it TTL or servo. As for usability, the M400 also sets new standards with its innovative OLED display and its impressively tidy, simplified user interface.

The AUTO TTL operating mode enables the camera to fully automatically control the flash unit (turning on and flashing) and ensures the subject of your picture is put in the best light possible – perfect to those new to flash. The mecablitz can be synchronised with the first or second shutter curtain (irrespective of camera model) and it supports high-speed sync (HSS or FP). The new design of the mecablitz M400 not only looks timeless – the flash unit is always kept up-to-date via a USB interface for receiving firmware updates.





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# Overview:



USB interface

Flip-out  
reflector card

LED-Video light

Swivel reflector



## Flash output

- High max. guide number 40 for ISO 100/21° and 105 mm

## Basic configuration

- Vertical +90° and horizontal 360° (2 x 180°) swivel reflector
- OLED-Display with unique operating concept
- Motorised zoom for 24–105 mm illumination
- Integrated wide-angle diffuser for 12 mm illumination
- Flip-out reflector card
- Modelling light (permanent light to check shadow)\*\*
- Integrated autofocus flash metering
- Flash readiness indicator and correct exposure display on unit and on camera\*\*
- Flash range indicator in OLED-Display
- Automatic unit shut-off
- Wake-Up function by camera
- Metal base\*\*\* with quick lock

## Standard flash modes

- TTL flash mode (digital only)
- AUTO TTL flash mode
- Manual flash mode with 25 lighting levels
- Master and slave mode
- Servo flash mode with learning function
- High speed synchronisation (HSS/FP)
- 1st and 2nd shutter curtain synchronisation\*\*
- Automatic fill-in flash\*\*
- Pre-flash for Red-eye reduction\*\*

## Video-Light

- High performance LED video light
- 100 Lux / 1 m
- Adjustable in 6 increments

## Ready for the future

- Firmware update via integrated USB socket

## Power supply

- 4 x AA alkaline-magnesium or lithium batteries
- 4 x AA NiMH rechargeable batteries

## Included as standard

- Belt pouch
- Slave stand

## Camera-specific system flash modes\*\*

### ■ Canon version

- E-TTL/E-TTL II flash mode
- E-TTL remote mode\*

### ■ Nikon version

- i-TTL/i-TTL BL flash mode
- i-TTL remote mode\*

### ■ Olympus/Panasonic/Leica version

- Micro four thirds/four thirds TTL flash mode
- Micro four thirds/four thirds TTL remote mode\*

### ■ Pentax version

- P-TTL flash mode
- P-TTL remote mode\*

### ■ Sony Multi Interface version

- ADI flash mode/pre-flash TTL
- ADI remote mode\*

### ■ Fujifilm version

- TTL Auto flash mode

\* Slave mode

\*\* Functions depend upon camera being used

\*\*\* Excludes Sony Multi Interface Version

## mecablitz 26 AF-2



## The smart flash satisfaction.

### A compact all-rounder that is setting standards.

Despite its compact size – it even fits in a shirt pocket – the new mecablitz 26 AF-2 boasts of comprehensive features. The device fits perfectly for compact system cameras and compact cameras with hot shoe. The flash output impresses with a guide number of 26 for ISO 100/21° and 85mm, and outperforms camera integrated flashes. Its handy format makes it the ideal trip companion. Adjustments can be set using the function keys – ideal for flash beginners who expect nothing less than a perfect illumination. The ingenious design enables the reflector to be rotated for an indirect

flash. Together with the integrated wide angle diffuser (24 mm), the mecablitz 26 AF-2 allows sufficient creative scope for inventive illumination.

Thanks to the additional two-levels adjustable high-performance LED, the mecablitz 26 AF-2 creates good light also for video recording. Depending on the camera, the flash also offers a slave mode, for making wireless TTL flash. A suitable flash stand for switching the position of the flash aside the camera is now included.



*Simple and intuitive operation  
– ideal for flash novices*



# Overview:

The diffuser can be easily attached.



Detail metal base\*\*



Flash stand



LED-Video light



Swivel reflector



## Flash output

- High max. guide number 26 for ISO 100/21° and 85 mm

## Basic configuration

- 90° vertical bounce facility
- Simple operating concept
- Integrated wide-angle diffuser for 24 mm illumination
- Flash readiness indicator and correct exposure display on unit and on camera \*\*\*
- Status LED
- AF-assist light on Video LED
- Automatic unit shut-off (flash mode)
- Metal base \*\* with quick lock

## Standard flash modes

- TTL flash mode (digital only)
- 1st and 2nd shutter curtain synchronisation \*\*\*
- Automatic fill-in flash \*\*\*

## Video-Light

- High performance LED
- 30 Lux / 1 m
- 2 stage adjustable

## Ready for the future

- Firmware update via integrated USB socket

## Power supply

- 2 × AAA alkaline-magnesium batteries
- 2 × AAA NiMH rechargeable batteries

## Included as standard

- Pouch
- Slave stand
- Telephoto diffuser

## Camera-specific system flash modes \*\*\*

### ■ Canon version

- E-TTL / E-TTL II flash mode
- E-TTL remote mode\*

### ■ Nikon version

- i-TTL / i-TTL BL flash mode
- i-TTL remote mode\*

### ■ Olympus/Panasonic/Leica version

- Micro four thirds / four thirds TTL flash mode
- Micro four thirds TTL remote mode\*

### ■ Pentax version

- P-TTL flash mode
- P-TTL remote mode\*

### ■ Sony Multi Interface version

- ADI flash mode / pre-flash TTL
- ADI remote mode\*

### ■ Fujifilm version

- TTL flash mode

\* Slave mode

\*\* Excludes Sony Multi Interface version

\*\*\* Functions depend upon camera being used

**CANON****NIKON****OLYMPUS****PANASONIC****PENTAX****mecablitz 36 AF-5 digital**

## The compact category.

Presenting the practical cobra design Metz mecablitz 36 AF-5 digital in four versions, compatible with respective system flash operating modes. With a guide number of 36 for ISO 100/21° and 85 mm, the entry-level model delivers superior light output in any shooting scenario. What's more, its accessible ease of operation makes it a real winner. Even bouncing flash is child's play thanks to the vertically tilting reflector. And the manually-configurable zoom reflector yields even more benefits. By adjusting the reflector to different focal lengths, the illumination angle of the 36 AF-5 digital can be optimally exploited for each scenario.



*Very practical: the manually-configurable zoom reflector.*



Wide-angle adapter



AF beam



Swivel reflector

### Flash output

- Max. guide number 36 for ISO 100/21° and 85 mm

### Basic configuration

- Vertical swivel reflector +90°
- LED displays
- Manual zoom reflector for 28–85 mm illumination
- Integrated autofocus flash metering
- Flash readiness indicator and correct exposure display on unit and on camera\*
- 18 mm diffuser included as standard
- Automatic unit shut-off

### Standard flash modes

- TTL flash mode (digital only)
- 1st and 2nd shutter curtain synchronisation\*
- Manual flash exposure correction for TTL flash mode\*
- Automatic fill-in flash

### Ready for the future

- Firmware update via Metz Service

### Power supply

- 4 × AA alkaline-magnesium batteries
- 4 × AA NiMH rechargeable batteries

### Camera-specific system flash modes

#### ■ Canon version

- E-TTL flash mode

#### ■ Nikon version

- i-TTL flash mode

#### ■ Olympus/Panasonic/Leica version

- Micro four thirds / four thirds TTL flash mode

#### ■ Pentax version

- P-TTL flash mode

\* Functions depend upon camera being used

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## mecablitz 24 AF-1 digital

# The travelling companion.

The ideal solution when you're out and about, the mecablitz 24 AF-1 digital – the smallest Metz system flash unit with GN 24 for ISO 100/21° and 35 mm focal length, it is particularly suited to flash novices who are looking for better illumination in their photos. Thanks to intelligent TTL camera control the mecablitz 24 AF-1 digital even makes automatic fill-in flash possible. Additional illumination levels can be achieved thanks to the 90° adjustable swivel reflector. Flash readiness and exposure levels are displayed on the back of the unit via two LED indicators.



AF beam



Swivel reflector

*Thanks to its compact, slim-line and lightweight build, the Metz mecablitz 24 AF-1 digital can be stashed easily in any jacket pocket.*

### Flash output

- Max. guide number 24 for ISO 100/21° and 35 mm

### Basic configuration

- Vertical swivel reflector +90°
- LED displays
- Integrated autofocus flash metering
- Flash readiness indicator and correct exposure display on unit and on camera\*

### Standard flash modes

- TTL flash mode (digital only)
- 1st and 2nd shutter curtain synchronisation\*
- Manual flash exposure correction for TTL flash mode\*
- Automatic fill-in flash

### Ready for the future

- Firmware update via Metz Service

### Power supply

- 2 × AA alkaline-magnesium batteries
- 2 × AA NiMH rechargeable batteries

### Camera-specific system flash modes

- **Canon version**
  - E-TTL flash mode
- **Nikon version**
  - i-TTL flash mode
- **Olympus/Panasonic/Leica version**
  - Micro four thirds / four thirds TTL flash mode
- **Pentax version**
  - P-TTL flash mode

\* Functions depend upon camera being used



# Every detail absolutely brilliant.



Discover the great fascination of small worlds: macrophotography shifts tiny details into focus that remain hidden from the naked eye. Flash can do a lot more than illuminate a subject: with targeted use, it can produce unique pictures that impress with their undreamt-of sharpness and brilliance.

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## mecablitz 15 MS-1 digital-Kit

# Big on detail.

### Macro flash with individual reflectors.

The Metz mecablitz 15 MS-1 digital provides wireless macro flash via two individually-controlled reflectors. In doing so, the innovative macro flash ring guarantees balanced, precision illumination whilst opening up new creative possibilities for macro shots. With the help of individually variable reflectors ( $0^{\circ}$ – $20^{\circ}$ ) and their precision light distribution, individual creativity really does have full rein. Creating effective light accents has never been so easy, regardless of the subject. And all this with superior convenience of use – after all, the Metz mecablitz 15 MS-1 digital automatically provides the right level of light both reliably and with precision – all thanks to wireless TTL\* operation. Over and above this is a clear dot matrix display which serves to make operation of the mecablitz 15 MS-1 digital even easier. Anyone looking for even more creative latitude can fall back on the manual controls on the new mecablitz 15 MS-1 and vary the prescribed light output via the six partial light output settings. Space-saving internal (rechargeable) batteries provide efficient power supply.



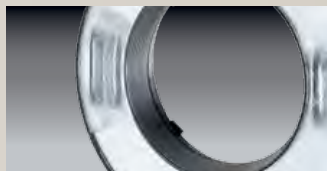
*Simple operation with the  
dot matrix display.*





SUITABLE FOR ALL CAMERAS WITH MASTER FLASH OR SYNC SOCKET

# Overview:



3-stage swivel reflector



The bounce diffuser, included as standard, softens light.



Wireless TTL flashes  
(infrared-translucent clamp  
is included as standard)

## Flash output

- Max. guide number 15 for ISO 100/21° and 50 mm

## Basic configuration

- Dual reflector system, can be individually swivelled (0°, 10°, 20°) and controlled separately
- Ratio (light distribution from left to right) 8:1, 4:1, 2:1, 1:1, 1:2, 1:4, 1:8
- Dot matrix display
- 2nd shutter curtain synchronisation (subject to camera)
- Slow synchronisation (Slow)
- Autofocus auxiliary light

## Standard flash modes

- Wireless servo flash mode with/without pre-flash suppression
- Servo mode with learning function
- Manual flash mode (operation via sync socket/servo)

## Ready for the future

- Firmware update via integrated USB socket

## Power supply

- 2 × AAA (Micro)alkaline magnesium batteries (1,5V)
- 2 × AAA (Micro) NiMH/NC rechargeable batteries (1,2V)
- 2 × AAA (Micro) lithium batteries (1,5V)

## Included as standard (Kit-Version)

- Bounce diffuser
- Adapter ring 52 mm, 55 mm, 58 mm, 62 mm, 67 mm, 72 mm
- Standard sync cable 15-50
- IR filter bracket
- Belt pouch

\* A master flash unit is required to make use of TTL mode in remote mode. Subject to manufacturer and camera model, the integrated flash or an external flash unit is equipped with this TTL-specific master function, for example the Metz 64 AF-1 or the Metz 52 AF-1. Find out more at [www.metz-mecatech.de](http://www.metz-mecatech.de).

## Camera-specific system flash modes

- Wireless TTL flash control, remote slave mode selectable for:
  - **Canon**
    - E-TTL/E-TTL II flash mode
  - **Nikon**
    - i-TTL flash mode
  - **Olympus/Panasonic**
    - RC system
  - **Pentax**
    - P-TTL flash mode
  - **Sony**
    - TTL pre-flash mode
  - **Samsung**
    - A-TTL flash mode

# Creative lighting.

## mecabounce diffuser attachments

Perfect for portrait photography: the white mecabounce diffusers produce a particularly soft and natural light – also with wide-angle illumination. They can be quickly and easily attached to the flash reflector head.

### For corresponding compact flash units\*\*

- mecabounce diffusor MBM-01
- mecabounce diffusor MBM-02
- mecabounce diffusor MBM-03
- mecabounce diffusor MBM-04
- mecabounce diffusor MBC-10
- mecabounce diffusor MBC-11



*mecabounce*  
Diffuser for compact flash units

## Easy soft boxes with accessories

Perfect for smaller product and portrait photography: the 360-degree rotatable Easy soft boxes ensure soft and balanced mood lighting. They can be folded, assembled and disassembled in a flash.

### Easy soft box ESB 60-60

Dimensions: 60 × 60 cm

Includes front and rear diffuser and carry bag

### Easy soft box ESB 40-40

Dimensions: 40 × 40 cm

Includes front and rear diffuser and carry bag

Adapter between compact flash units and Easy soft boxes

Adjustable flash shoe height

Can be attached to Metz LS-247 and LS-200 lighting tripods

### Lighting tripod LS-247

Maximum height 247cm/weight 3.0kg

With air cushioning

### Lighting tripod LS-200

Maximum height 200cm/weight 2.5kg

With air cushioning

### Flash unit holder FGH 40-60



*Easy soft box ESB 60-60*



*Flash unit holder FGH 40-60*

Whether it's product photos or portrait shots: with the folding Mini and Mini Octagon soft boxes you can swathe your subject in soft and harmonious lighting. Thanks to a Velcro strap it can be easily attached to any compact flash unit and transported in its accompanying bag.

### Mini soft boxes

Perfect for smaller product shots

#### Mini soft box SB 30-20

(colour: white, dimensions: 30 × 20 cm)

#### Mini soft box SB 22-16

(colour: white, dimensions: 22 × 16 cm)

#### Mini soft box SB 18-15

(colour: white, dimensions: 18 × 15 cm)

### Mini Octagon soft boxes

Perfect for passport and portrait photographs

#### Mini Octagon soft box SB 34-34

(colour: white, dimensions: Ø 34 cm)

#### Mini Octagon soft box SB 20-20

(colour: white, dimensions: Ø 20 cm)

#### Mini Octagon soft box SB 15-15

(colour: white, dimensions: Ø 15 cm)



Mini soft box SB 30-30



Mini Octagon soft box SB 34-34

Whether you are looking for a precise spotlight or weak, indirect illumination, we have the perfect reflector umbrella for any compact flash unit – to suit every photographic requirement. What's more, the Velcro strap means it can be quickly and easily attached to the flash unit head.

### Spot reflector umbrellas

#### Spot reflector umbrella SD 30-26 W

Colour: white for neutral light / dimensions: 30 × 26 cm

#### Spot reflector umbrella SD 30-26 S

Colour: silver for cool light / dimensions: 30 × 26 cm

#### Spot reflector umbrella SD 30-26 G

Colour: silver for warm light / dimensions: 30 × 26 cm

### Reflector umbrellas

Perfect for portrait shots and close-ups. Light loss approx. 3 f-stops..

#### Reflector umbrella 58-23

(for numerous Metz, Canon and Nikon flash units)\*



Spot reflector umbrella SD 30-26 G



Reflector umbrella 58-23

\*For an overview of compatible units go to page 42.



# Adapters and accessories.



PowerPack P 8

## Power Pack

### Power Pack P 8

Metz high-performance power pack P 8 for significantly higher flash numbers and reduced flash delay.

- For Metz mecablitz 64 AF-1 digital
- Can be equipped with 8 AA alkaline , lithium or NiMh batteries
- Overheating protection

## TTL connection cable

The 1.8 metre long TTL connection cable for compact flash units enables complete TTL exposure control. Equipped with tripod socket.

### TTL connection cable, available for:

Canon, Nikon and Sony cameras\*\*\*\* and compatible flash units\*\*



TTL connection cable for Canon TCC-10

## Flash shoe adapter

Flash shoe adapter with sync cable socket to control compatible external flash units or studio flash units.\*\*\*

### Flash shoe adapter for Canon TSC-11

Flash shoe adapter with sync cable socket

### Flash shoe adapter for Nikon TSC-20

Flash shoe adapter with accessory flash shoe and sync cable socket

### Flash shoe for Sony TSC-50\*\*\*\*

Flash shoe adapter with accessory flash shoe and sync cable socket



Flash shoe adapter for Canon TSC-11



Flash shoe adapter for Nikon TSC-20

# Synchronisation and attachment.

## Sync cable

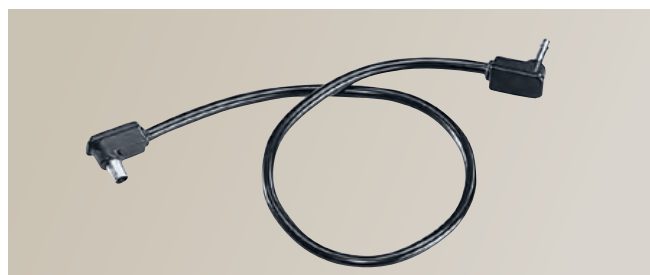
Sync cable for all Metz flash units with sync sockets, basic stand SCA 301 or for flash shoe adapter.

### Spiral sync cable

- Length 20 – 60 cm (cable 36 – 52)
- For corresponding compact flash units and Metz handheld flash guns\*\*

### Standard sync cable

- Length 25 cm (cable 15-50, 36-50)
- Length 40 cm (cable 45-47)
- For corresponding compact flash units and Metz handheld flash guns\*\*



Standard sync cable 36-50

## Camera rails and accessories \*\*

### Camera rail 40-36

- For all compact flash units
- For connection to flash units beside the camera
- Perfect for large cameras

### Camera rail 32-38

- For all compact flash units and Power brackets
- Replacement for attached camera rails on handheld guns



Camera rail 40-36

### Rail adapter 60-28

- For 45 CL 4 digital, 45 CL/CT 4, 3, 1, 45 CT 5 and 60 CT 1
- For fixing the height offset between camera subject and the handheld flash gun's reflector, height-adjustable

### Rail plates 70-35

- For all handheld guns and Power brackets
- For the attachment of medium and large format cameras on flash rail 32-38; incl. large steel tripod screw



Rail adapter 60-28

\* Adapter SCA 3902 for Hasselblad and SCA 3952 for Mamiya are available from the camera manufacturer

\*\* For an overview of compatible units go to page 36 – 39.

\*\*\* Simultaneous use of TTL and sync cable is only possible with Nikon and Sony cameras. For this reason the version for Canon only comes equipped with a sync socket.

\*\*\*\* not for Sony Multi Interface

# Innovative technology explained simply.

## **Acoustic status notification (BEEP)**

Additional acoustic status notifications can be activated for flash readiness, flash exposure control and alerts.

## **AF flash metering**

An autofocus auxiliary light (AF measurement flash) integrated in the flash unit automatically supports the central autofocus sensor of the camera in low ambient light conditions. A multizone AF measurement flash, also supports decentralised AF sensors.

## **Auto**

With Auto TTL flash mode, the flash light can be easily applied for flash light photos by TTL flash control. Thereby, it is not necessary to adjust the flash light.

## **Automatic unit shut-off**

During extended breaks from photographing, the flash unit switches automatically to an energy saving standby mode to prevent the power source from discharging (Auto-Off). The wake-up function (» Wake-Up function) reactivates the flash unit e.g. by lightly depressing the camera shutter.

## **Automatic flash mode**

A photo sensor integrated in the flash unit measures the flash exposure of the subject during photographing, and automatically terminates the light output as soon as the subject is correctly exposed.

## **Correct exposure display**

The correct exposure display o.k., appears on the flash unit after photographing if the subject in automatic or TTL flash mode is correctly lit.

## **Dot matrix display with soft keys**

Individual adaptation of the display on the camera system and the operating status for optimum and self-explanatory operation of the flash unit via soft keys.

## **D-TTL**

Further development of the TTL flash control with metering pre-flash technology for Nikon cameras.

## **3D and D-TTL 3D**

With the 3D-TTL (Nikon) and D-TTL 3D flash control, additional data such as the distance to the subject is taken into account during flash exposure.

## **E-TTL**

Innovative advancement of TTL flash control with pre-flash metering technology for Canon EOS and PowerShot cameras.

## **E-TTL II**

With the E-TTL II flash control, additional data is taken into account during flash exposure, such as the distance to the subject and the guide number of the flash unit.

## **Extended zoom**

With the motorised zoom mode the main reflector illuminates the subject more than necessary by one reflector position. Thereby providing additional scattered light indoors for a softer illumination of the subject.

## **Flash bracketing**

Flash bracketing series with three shots of different flash exposure: minus correction value, no correction value, and plus correction value.

## **Flash readiness display**

The flash readiness display lights up when the flash unit's flash capacitor possesses sufficient energy for the shot.

## **Guide number**

The guide number is the code number for the light output of a flash unit. It is dependent upon the preset ISO light sensitivity and (with zoom reflectors) on the position of the reflector, as well as on the potential use of reflector attachments (e.g. accessory wide-angle or telephoto lens). With high speed synchronisation (HSS) the guide number also depends on the shutter speed.

## **HSS – high speed synchronisation**

In high speed synchronisation (HSS), you can flash with shutter speeds that are shorter than the flash sync time of the camera. As a result, flash photos with wide focal aperture are possible in high ambient light levels, for example in order to limit the depth of field in portrait shots.

## **i-TTL**

Innovative advancement of the TTL flash control with metering pre-flash technology for Nikon cameras.

## **i-TTL-BL**

With the i-TTL-BL flash control, additional data such as the distance to the subject is taken into account by the flash lighting.

## **Key function**

Locking of operational controls. Protects against unintentional overwriting.

## **LCD display**

Provides information about the operating modes and settings being used. (» Dot matrix display)

## **Learning mode**

The flash unit is capable of recognising the camera's pre-flash technology and in turn of circumventing pre-flash technology. The flash is therefore only activated as the main flash when taking photographs (subject to camera).



**Manual flash mode**

Flash mode with unregulated light output. The flash unit delivers the full light output, provided no partial light output is set.

**Manual zoom**

The zoom position of the main reflector and thus the illumination of the flash unit can be adjusted manually to the focal length of the lens.

**Metal stand**

High-quality metal base for secure attachment on camera shoe.

**Modelling light**

The modelling light is a stroboscope light with a high flash frequency lasting a few seconds. This “quasi permanent light”, allows you to evaluate the light distribution and shadow formation on the subject before taking the photograph.

**Motor zoom**

The zoom position of the main reflector and thus the illumination of the flash unit is automatically adjusted to the focal length of the lens.

**Partial light mode**

Manual flash mode with unregulated light output. By setting partial light mode on the flash unit, the light output or illumination duration of the flash unit can be specifically adapted to the photographic situation.

**OLED-Display**

Provides information on the operating modes and settings currently in use. The OLED display features a high contrast and is energy efficient.

**RAPID MODE**

Rapid mode for short recycling times at reduced maximum light output.

**P-TTL**

Innovative advancement of the TTL flash control with metering pre-flash technology for Pentax cameras.

**REAR**

Synchronisation to the 2nd shutter curtain for more natural blur effects for longer exposure times.

**Remote mode**

A remote system consists of a master or controller flash unit on the camera and one or more slave flash units. The slave flash unit is wirelessly remotely controlled by the master or controller flash unit. Unlike a controller flash unit, with a master flash unit, the flash contributes to the exposure.

**SCA-3002 adapter system**

For system cameras with digital or analog data transmission between the camera and flash unit. By using an SCA adapter from the SCA 3002 system, there are numerous additional system flash functions available with flash units from the SCA 3002 system, depending on the type of camera. The firmware of an SCA adapter from the SCA 3002 system can be updated via Metz Service for future cameras.

**Secondary reflector**

To brighten shadows cast at close range which appear when using an indirect flash.

**Servo mode**

The servo mode allows you to operate the Metz flash unit of the corresponding camera system wirelessly with the built-in flash unit on the digital camera. It allows light output to be manually calibrated as partial lighting.

**Slave mode**

An integrated sensor makes this wireless slave flash mode possible in combination with a master or controller flash unit. (»» Remote mode)

**Sony / ADI**

Innovative further development of the TTL flash control for Sony Alpha cameras in which, for example, information regarding the distance to the subject is included in the flash exposure.

**Spot zoom mode**

While zooming the reflector increases by one illumination level on the object over the selected position. This centrally highlights the shot. Example: the zoom reflector adjusts to 70mm for a set focal length of 50mm. The information in the display of the flash unit remains however at 50mm, the original focal length of the lens

**Strobe mode**

Manual flash mode for flash sequences with a selectable intensity, frequency, and flash number, e.g. for special effect photos and motion studies.

**Swivel reflector**

Can be tilted horizontally and vertically for bouncing flash. Can be tilted vertically for a bouncing flash.

**Touch display**

Illuminated graphic display that can be operated by touching the display panel.

**TTL fill-in flash control**

Reduces too high subject contrast (e.g. to brighten dark shadowy areas in bright sunshine).

**TTL mode**

While taking the photograph, the flash is measured through the lens (TTL = through the lens) by a sensor in the camera. The light output of the flash unit is terminated as soon as the subject is correctly exposed.

**USB**

Interface for firmware updates via the Internet.

**Wake-up**

The flash unit can be reactivated by lightly depressing the shutter if it has been in energysaving standby mode after an extended break from taking photographs. (»» Automatic unit switch-off)

**Wide-angle adapter**

Increases the light angle of the flash unit. Depending on the type of flash unit, the wide-angle attachment is available either integrated or attachable as an accessory.

## Overview of accessories

Overview of accessories																
Current Metz flash units								Other Metz flash units								
64 AF-1 DIGITAL								76 MZ-5 DIGITAL								
52 AF-1 DIGITAL								60 CT-4								
44 AF-2 DIGITAL								58 AF-1 / 58 AF-2 DIGITAL								
M 400								54 MZ-4i DIGITAL								
36 AF-5 DIGITAL								50 AF-1 / 48 AF-1 DIGITAL								
26 AF-2								45 CL-4 DIGITAL								
24 AF-1 DIGITAL								36 C-2								
15 MS-1 DIGITAL								20 C-2								
FLASH UNITS FROM OTHER MANUFACTURERS *																

	Current Metz flash units								Other Metz flash units								FLASH UNITS FROM OTHER MANUFACTURERS *
	64 AF-1 DIGITAL	52 AF-1 DIGITAL	44 AF-2 DIGITAL	M 400	36 AF-5 DIGITAL	26 AF-2	24 AF-1 DIGITAL	15 MS-1 DIGITAL	76 MZ-5 DIGITAL	60 CT-4	58 AF-1 / 58 AF-2 DIGITAL	54 MZ-4i DIGITAL	50 AF-1 / 48 AF-1 DIGITAL	45 CL-4 DIGITAL	36 C-2	20 C-2	
<b>TTL CONNECTION CABLES</b>																	
TTL connection cable for Canon TCC-10	•	•	•	•	•	•	•				•	•	•				•
TTL connection cable for Nikon TCC-20	•	•	•	•	•	•	•				•	•	•				•
TTL connection cable for Sony/Minolta Dynax TCC-50					•		•				•	•	•				•
<b>FLASH SHOE ADAPTERS</b>																	
Flash shoe adapter for Canon TSC-11											•	•	•				•
Flash shoe adapter for Nikon TSC-20	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
Flash shoe adapter for Sony/Minolta Dynax TSC-50					•		•		•	•	•	•	•	•	•	•	•
<b>SYNC CABLES</b>																	
Spiral sync cable 45-49										•				•			
Standard sync cable 15-50								•									
Standard sync cable 36-50									•					•	•	•	•
Standard sync cable 45-47										•				•			
<b>CAMERA RAILS AND ACCESSORIES</b>																	
Camera rail 40-36	•	•	•	•	•	•	•					•		•	•		•
Camera rail 32-38									•	•				•			
ail adapter 60-28										•				•			
Rail plate 70-35									•	•				•			•
<b>ACCESSORIES FOR POWER PACK</b>																	
Power Pack P 8	•								•		•	•		•			
Connection cable V 58-50 for P 76	•										•						
Connection cable V 54-50 for P 76												•					
<b>RECHARGEABLE BATTERIES AND CHARGER SETS</b>																	
NiMH rechargeable battery with charging unit B 47									•								
NiMH rechargeable battery with charging unit B 46														•			
NNiMH rechargeable battery 76-56									•								
NiMH rechargeable battery 45-56														•			
Battery basket 45-39														•			
Dry rechargeable battery 60-38										•							
<b>TBAGS AND CARRYING STRAPS</b>																	
Flash unit bag T 58		•	•								•	•	•				•

\* For further information visit [www.metz-mecatech.de](http://www.metz-mecatech.de)

\*\* Adapter is available from the camera manufacturer.



## Technology at a glance

### FLASH OUTPUT (METERS)

Guide number for ISO 100, **35mm** and 50mm

Guide number for ISO 100 and max. zoom

### BASIC CONFIGURATION

	64 AF-1 DIGITAL	52 AF-1 DIGITAL	44 AF-2 DIGITAL	M 400	36 AF-5 DIGITAL	26 AF-2	24 AF-1 DIGITAL
Adapter system SCA 300							
Adapter system SCA 3002							
Illumination from ... mm (35 mm format)	12	12	12	12	18	24	35
Motorised zoom main reflector	•	•	•	•			
Manual zoom main reflector					•		
Extended zoom mode / Spot zoom mode for main reflector	•/•	•/•					
Main reflector swivelling / rotating	•/•	•/•	•/•	•/•	•/-	•/-	•/-
Vertical tilt range in °	-9/+90	90	90	90	90	90	90
Horizontal swivel range in °	300	300	300	360			
Integrated wide-angle diffuser for illumination in mm (35 mm format)	12	12	12	12		24	
Accessory wide-angle, telephoto lens, and bounce attachments					•/-/-	-/•/-	
Integrated reflector card for main reflector	•	•	•	•			
Secondary reflector / partial lighting levels (manually adjustable)	•/1						
Secondary reflector support for system flash functions	•						
Dot matrix display / illuminated	•/•	•/•					
Illuminated touchscreen display with automatic swivel function (90°) / colour	•/•	•/-					
OLED display				•			
LED displays			•		•	•	•
Range display	•	•		•			
Flash readiness display / correct exposure display on the flash unit	•/•	•/•	•/•	•/•	•/•	•/•	•/•
Acoustic status notifications (beep)	•						
Modelling light function	•	•	• 2)				
Manual key lock (KEYLOCK)	•	•					
Automatic unit shut-off (Auto-Off)	•	•	•	•	•	•	•
Wake-up function via the camera	•	•	•	•	•	•	•
Automatic AF flash metering / multiple zone AF flash metering	•/•	•/-	•/-	•/-	•/-	•/-	•/-
AF auxiliary light							
Integrated LED video lights			•			•	
Programme memory	4			2			

### STANDARD FLASH MODES

Automatic flash mode (f-stops)	•(12)						
Rapid mode	•						
manual flash mode	•	•	•	•			
light levels	25	22	4	25			
Servo flash mode <sup>2)</sup> (without pre-flash suppression/with pre-flash suppression/learning function)	•/•/•	•/•/•		•/•/•			
Strobe flash mode	•						

### SYSTEM-BLITZFUNKTIONEN <sup>2)</sup>

Automatisches Aufhellblitzen	•	•	•	•	•	•	•
Blitzbereitschaftsanzeige im Kamerasucher	•	•	•	•	•	•	•
Belichtungskontrollanzeige im Kamerasucher	•	•	•	•	•	•	•
Synchronisation auf den 1. oder 2. Verschlussvorhang	•	•	•	•	•	•	•
Kurzzeitsynchronisation (HSS bzw. FP)	•	•	•	•			
Manuelle Blitzbelichtungskorrektur	•	•	•	•	•	•	•
Manuelle Blitzbelichtungsreihen (Flash Bracketing)	•						
Vorblitzfunktion gegen den „Rote-Augen-Effekt“	•	•	•	•	•	•	•

### System flash units

64 AF-1 DIGITAL	52 AF-1 DIGITAL	44 AF-2 DIGITAL	M 400	36 AF-5 DIGITAL	26 AF-2	24 AF-1 DIGITAL
43	38	32	28	30	20	24
64	52	44	40	36	26	24

### Specialist flash units

15 MS-1 DIGITAL
15
15

1) with slave adapter SCA 3083 digital 2) subject to camera 3) micro-cell (AAA) operated: NiMH (1000 mAh) 4) subject to version

This product has been designed for illuminating photographic motifs. It is not suitable for room lighting purposes in the household.

Metz – always first class.

## System flash units

## Specialist flash units

64 AF-1 DIGITAL	52 AF-1 DIGITAL	44 AF-2 DIGITAL	M 400	36 AF-5 DIGITAL	26 AF-2	24 AF-1 DIGITAL
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15 MS-1 DIGITAL

SYSTEM FLASH MODES <sup>4)</sup>

Canon E-TTL/E-TTL-II flash mode	•/•	•/•	•/•	•/•	•/-	•/•	•/-	
Canon FE-flash memory for E-TTL and E-TTL-II flash mode	•	•	•	•	•	•	•	
Canon E-TTL remote flash system as master/controller/slave	•/•/•	•/•/•	-/-/•	•/•/•		-/-/•		-/-/•
Nikon i-TTL/i-TTL-BL flash mode	•/•	•/•	•/•	•/•	•/-	•/•	•/-	
Nikon FV flash output memory for i-TTL and i-TTL-BL flash mode	•	•	•	•	•	•	•	
Nikon under exposure display in EV (f-stop)	•	•		•				
Nikon i-TTL remote flash system as master/controller/slave	•/•/•	•/•/•	-/-/•	•/•/•		-/-/•		-/-/•
Olympus/Panasonic/Leica micro-four-thirds/four thirds system (TTL compatible)	•	•	•	•	•	•	•	
Olympus four thirds system as master/controller/slave	•/•/•	•/•/•	-/-/•	•/•/•		-/-/•		-/-/•
Pentax P-TTL flash mode	•	•	•	•	•	•	•	
Pentax contrast control	•	•						
Pentax spot beam mode	•	•						
Pentax P-TTL remote flash system as master/controller/slave	•/•/•	•/•/•	-/-/•	•/•/•		-/-/•		-/-/•
Sony ADI flash control	•	•	•	•		•		
Sony TTL pre-flash mode	•	•	•	•	•	•	•	
Sony remote flash system (CTRL / CTRL+ operation) as master/controller/slave	•/•/•	•/•/•	-/-/•	•/•/•		-/-/•		-/-/•
Fujifilm TTL mode			•	•		•		

## READY FOR THE FUTURE

Firmware update via Metz Service	•	•	•	•	•	•	•	•
Firmware update via USB socket	•	•	•	•		•		•

## POWER SUPPLY

Operation with alkaline-magnesium batteries (1,5 V)	•	•	•	•	•	•	•	•
Operation with NC or NiMH rechargeable batteries (1.2 V)	•	•	•	•	•	•	•	•
Operation with lithium batteries (1,5 V)	•	•	•	•		•		•
External energy supply with Metz power pack P 8	•							

## FLASH NUMBERS (FOR FULL LIGHT OUTPUT)

Operation with alkaline-magnesium batteries (1,5 V)	140	140	220	5)	450	100 <sup>3)</sup>	200	140 <sup>3)</sup>
Operation with NiMH rechargeable batteries (1,2 V/2100 mAh)	190	240	270	5)	460	110 <sup>3)</sup>	250	200 <sup>3)</sup>
Operation with lithium batteries (1,5 V)	290	370	450	5)		160 <sup>3)</sup>		250 <sup>3)</sup>
Operation with Metz NiMH rechargeable battery pack (1650 mAh)								
External energy supply with Metz power pack P 8	5)							

## FLASH DELAY IN SECONDS (MIN./MAX.)

Operation with alkaline-magnesium batteries (1,5 V)	0,1/4,4	0,1/4	0,1/3	5)	0,3/3	0,3/8	0,3/5	0,3/4
Operation with NiMH rechargeable batteries (1,2 V)	0,1/1,8	0,1/3,5	0,1/3	5)	0,3/3	0,3/8	0,3/6	0,3/4
Operation with lithium batteries (1,5 V)	0,1/4,2	0,1/4,5	0,1/4	5)		0,3/8		0,3/5
Operation with Metz NiMH rechargeable battery pack								
External energy supply with Metz power pack P 8	5)							

## DIMENSIONS AND WEIGHT

Weight without power sources in g (approx.)	422	346	306	220	195	115	126	209
	W	78	73	73	65	73	63	64
	H	148	134	130	92	113	85	95
	D	112	90	106	87	86	85	68

4) Data were not available at press time

5) Data were not available at press time









# Metz – the specialist for perfect illumination.

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For further information regarding our current range visit [www.metz-mecatech.de](http://www.metz-mecatech.de) – or organise your own personal consultation with your Metz specialist dealer. Take a look at our latest catalogues and request them free of charge!

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