

Technical features: Metz 58 AF-1 digital

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Product name:	58AF-1C Canon	58AF-1N Nikon / Fuji S	58AF-1O/P Olympus / Panasonic	58AF-1P/S Pentax / Samsung	
Guide numbers					
Guide Number with ISO 100 and 105 mm	58 (m) / 190 (ft)	58 (m) / 190 (ft)	58 (m) / 190 (ft)	58 (m) / 190 (ft)	
Guide Number with ISO 100 and 50 mm	42 (m) / 137 (ft)	42 (m) / 137 (ft)	42 (m) / 137 (ft)	42 (m) / 137 (ft)	
General flash modes					
Standard TTL-mode	•	•	•	•	
Automatic flash control / f-stops	• / 12	• / 12	• / 12	• / 12	
Manual flash control / partial lighting levels	• / 25	• / 25	• / 25	• / 25	
Stroboscopic flash mode	•	•	•	•	
Dedicated flash modes and functions					
Canon E-TTL-/E-TTL II flash control	• / •				
Canon E-TTL-remote-flash-system as master/controller/slave	• / • / •				
Canon FE-flash exposure memory with E-TTL- and E-TTL II flash control	• / •				
Nikon i-TTL-/i-TTL-BL flash control		• / •			
Nikon i-TTL-remote-flash-system as master/controller/slave		• / • / •			
Nikon D-TTL-/D-TTL-3D flash control / 3D multi-sensor fill-in flash		• / • / •			
Nikon FV flash-exposure measurement memory by i-TTL / i-TTL-BL control		• / •			
Nikon matrix-controlled fill-in flash mode / under exposure display in EV		• / •			
Olympus TTL-flash control with measuring pre-flash technique			•		
Olympus/Panasonic/Leica FourThirds-System (TTL-compatible)			•		
Olympus FourThirds-System TTL-remote-system as master/controller/slave			• / • / •		
Pentax contrast control				•	
Pentax P-TTL flash control				•	
Pentax spot beam mode				•	
Pentax P-TTL-remote-flash-system as master/controller/slave				• / • / •	
Sony DSLR ADI flash control					
Sony DSLR-remote-flash-system as master/controller/slave					
Sony DSLR wide area TTL-pre-flash measuring					
Flash reflector data					
Illumination from ... mm onwards (35 mm format)	18	18	18	18	
Zoom area of the main reflector head (35 mm format)	24 - 105 mm	24 - 105 mm	24 - 105 mm	24 - 105 mm	
Main reflector head tilt / swivel	• / •	• / •	• / •	• / •	
Vertical rotation area (5 positions)	-7° / +90°	-7° / +90°	-7° / +90°	-7° / +90°	
Horizontal rotation area (6 positions)	270°	270°	270°	270°	
Automatic zoom automatically / manual adjustable	• / •	• / •	• / •	• / •	
Extended zoom mode for main reflector	•	•	•	•	
Zoom size function (adaption on format of the camera chip)	•	•	•	•	
Secondary flash with 2 light outputs / with dedicated flash functions	• / •	• / •	• / •	• / •	
Integrated wide-angle diffuser for illumination from ... mm onwards (35mm)	18	18	18	18	
Integrated reflector card for main reflector	•	•	•	•	
Flash display					
Illuminated LC-Display: Grafic multi-function LCD / Standard-LCD	• / —	• / —	• / —	• / —	
Flash ready indication / Flash exposure control display on flashgun	•	•	•	•	
Automatic flash range display, alternatively in meter or feet	• / •	• / •	• / •	• / •	
System flash functions					
Manual flash exposure correction by TTL flash mode / automatic flash mode	• / •	• / •	• / •	• / •	
Modelling light function	•	•	•	•	
Automatic fill-in flash control	•	•	•	•	
Flash ready indication / flash exposure control display in camera view finder	• / •	• / •	• / •	• / •	
Automatic X-sync shutter speed control	•	•	•	•	
Synchronisation on the 1st / 2nd (REAR) shutter curtain	• / •	• / •	• / •	• / •	
High speed synchronisation (HSS) / slow speed synchronisation (SLOW)	• / •	• / •	• / •	• / •	
Manual flash exposure correction / Flash bracketing	• / •	• / •	• / •	• / •	
Automatic AF measuring flash control / Wide-area AF illuminator	• / •	• / •	• / •	• / •	
Pre-flash function to prevent the "red eye" effect	—	•	•	•	
Buzzer (beep function)	•	•	•	•	
Manual key function (key-lock)	•	•	•	•	
Service functions and power management					
Reset function (back to basic adjustment)	•	•	•	•	
Firmware-Update via USB socket or Metz-Service	• / •	• / •	• / •	• / •	
Automatic energy-saving cut-off (Auto Off)	•	•	•	•	
Wake-Up function of the flash through the camera	•	•	•	•	
Possible power sources					
Non-rechargeable Alkali-Mangan batteries (1,5 V), Lithium batteries (1,5 V)	4 x AA	4 x AA	4 x AA	4 x AA	
Rechargeable NiCd- or NiMH batteries (1,2 V)	4 x AA	4 x AA	4 x AA	4 x AA	
Connection to external Metz NiMH Power Pack P76	•	•	•	•	
Min. number of flashes by full light output					
With Alkali-Mangan batteries (1,5 V) approx.	180	180	180	180	
With NiCd batteries (1,2 V/600 mAh) approx.	70	70	70	70	
With NiMH batteries (1,2 V / 1600 mAh) approx.	140	140	140	140	
With Lithium batteries (1,5 V) approx.	320	320	320	320	
With NiMH Power Pack P76 approx.	430	430	430	430	
Flash recovery time (min./max.)					
With Alkali-Mangan batteries (1,5 V) approx.	0,1 - 5 sec.	0,1 - 5 sec.	0,1 - 5 sec.	0,1 - 5 sec.	
With NiCd batteries (1,2 V/600 mAh) approx.	0,1 - 5 sec.	0,1 - 5 sec.	0,1 - 5 sec.	0,1 - 5 sec.	
With NiMH batteries (1,2 V / 1600 mAh) approx.	0,1 - 5 sec.	0,1 - 5 sec.	0,1 - 5 sec.	0,1 - 5 sec.	
With Lithium batteries (1,5 V) approx.	0,1 - 6 sec.	0,1 - 6 sec.	0,1 - 6 sec.	0,1 - 6 sec.	
With NiMH Power Pack P76 approx.	0,1 - 2,5 sec.	0,1 - 2,5 sec.	0,1 - 2,5 sec.	0,1 - 2,5 sec.	
Weight and dimensions					
Weight without batteries approx.	355 g	355 g	355 g	355 g	
Dimensions in mm (Width x Height x Depth)	71 x 148 x 99	71 x 148 x 99	71 x 148 x 99	71 x 148 x 99	
Included in box					
Flash unit	•	•	•	•	
Instruction manual 6lingual GB / D / E / F / I / NL	•	•	•	•	
Slave stand	•	•	•	•	
Belt case	•	•	•	•	
External accessories					
Bounce diffuser 54-23	•	•	•	•	
mecabounce 58-90	•	•	•	•	
Power Pack P 76 / Connecting cable V 58-50 to Power Pack P 76	• / •	• / •	• / •	• / •	