



# MECABLITZ 50 MZ-5

Operating Instructions

Add-on

Information gathered by H QUEVAL and provided as is. – V1.0 December 2020

## Additional information – Missing information

### Power supply and battery warning indicator - Page 8 - paragraph 2.2

The battery warning light only comes on when a Battery Pack 50-40 or 50-45 or 76-56 is being used. The operating light (17) in the handle starts flashing when the battery is exhausted, and the battery warning light on the LC display becomes illuminated.

The battery warning light is inactive when the flash is powered by an external battery pack.

### Power supply ON/OFF and ready light

The flash unit is switched on with the main switch (16) located on the flash gun. The flash unit is permanently on in the **ON** position, and the operating light (17) shines.

After few second the Ready green light (18) shines when the main capacity is charged. If controller connected, the Flash ready green light (35) of the controller shines.

Push the main switch (16) to the lower position to switch off.



There is no standby function or protection for deep discharge of the battery. Switch of the flash unit when unused and better to remove battery when not used for a long time.



### Battery charger with two LEDS

This is a first version of the battery charger. Do not use and prefer the second version with one LED.

### RAPID ML vs TURBO MF printing on the casing

For legal reason, the printing on the casing was changed.

It exist two different printing on the flash body and controller, first and final production.

First version	Final production	
Turbo	Rapid	same functionality
MF	ML	modeling light, same functionality.
		

Same final production printing on 70 MZ-5 flash.

## Table in Meters

### Flash durations at partial light output levels

Level	Duration µS	Speed	GN (1)	GN (2)
1/1	5000	1/200	50	70
1/2	2000	1/500	35,5	49,5
1/4	1000	1/1000	25	35
1/8	500	1/2000	17,5	25
1/16	250	1/4000	12,5	17,5
1/32	166	1/6000	9	12,5
1/64	100	1/10000	6,5	9
1/128	66	1/15000	4,5	6
1/256	50	1/20000	3	4,5

(1) GN in meters, ISO 100, zoom 50mm

(2) GN in meters, ISO 100, zoom 105mm

### Guide Numbers at maximum light output (P 1/1) for different ISO settings, meters

ISO	ZOOM setting – main reflector							
	20 (1)	24	28	35	50	70	85	105
50	21	25,5	27,5	29,5	35,5	42,5	45,5	49,5
64	24	28,5	31	33,5	39,5	47,5	50,5	55,5
80	26,5	32	34,5	37,5	44,5	53,5	57	62
<b>100</b>	<b>30</b>	<b>36</b>	<b>39</b>	<b>42</b>	<b>50</b>	<b>60</b>	<b>64</b>	<b>70</b>
125	33,5	40,5	44	47	56	67,5	72	78,5
160	38	45,5	49	53	63	75,5	80,5	88
200	42,5	51	55	59,5	70,5	84,5	90,5	99
250	47,5	57	62	66,5	79	95	101	111
320	53,5	64	69,5	74,5	89	107	114	125
400	60	72	78	84	100	120	128	140
500	67,5	81	87,5	94	112	135	144	157
650	75,5	90,5	98	106	126	151	161	176
800	85	102	110	119	141	170	181	198
1000	95	114	124	133	158	190	203	222
1250	107	128	139	149	178	213	228	249
1600	120	144	156	168	200	240	256	280
2000	135	162	175	188	224	269	287	314
2500	151	181	196	211	252	302	322	352
3200	170	203	220	237	283	339	362	395
4000	190	228	247	266	317	380	406	444
5000	214	256	277	299	356	427	455	498
6400	240	288	312	336	400	480	512	560

(1) With MZ5560 wide angle diffuser.