

Compatible battery, operational limitation on flashing/Focus Light

Thank you for purchasing INON D-2000 Type3.

Please use your D-2000 within following operational limitations to avoid possible heat generation/degradation of light emitting part and inner electrical circuit etc.

Compatible battery

Five battery types can be used with this product, as below. Make sure to use fresh 4 x AA size batteries of same model/manufacture.

When using Ni-MH rechargeable batteries, only use Sanyo "eneloop" (HR-3UTG) or new generation rechargeable batteries listed below. Other Ni-MH battery has tendency of heavy self-discharge characteristic causing sudden performance degradation, and using other Ni-MH battery may damage strobe's inner electronic circuit due to excessive heat produced during charging / discharging. Sanyo "eneloop" (HR-3UTG) and below listed new generation Ni-MH batteries have cleared away these disadvantages producing less heat operating strobe safely within operational limitations described hereafter.

【Rechargeable battery】

- AA AA Ni-MH rechargeable battery [HR-3UTG]

Sanyo	"eneloop"	[Model code : HR-3UTG]	[recommended]
Sony	"Cycle Energy Blue"	[Model code : NH-AA-2BKA / NH-AA-4BKA]	
Panasonic	"Rechargeable Ni-MH AA"	[Model code : HHR-3MPS]	
Maha Energy	"IMEDION"	[Model code : MHRAA14]	
GP Batteries	"ReCyko+"	[Model code : 210AAHCBE]	
ANSMANN	"maxE"	[Model code : 5030991 / 5030992 / 5035052]	
Electrochem Automation	"NEXcell energyON"	[Model code : n/a (AA 2000mAh)]	

- AA NiCad battery (1.2V)

【Non-rechargeable battery】

- AA Alkaline battery (1.5V)
- AA Lithium battery (1.5V)
- AA Oxyride battery (1.5V) (*1)

*1 Operational limitation of Focus Light applied when using **fresh** Oxyride battery. Please refer to next section for detail.

Limitation of Focus Light continuous mode

The Focus Light should NOT continuously turn ON more than 60 minutes and make sure to cool down its LED unit and inner electrical circuit by turning OFF the Focus Light at least 5 minutes (0°C~25°C/32 °F ~ 77 °F) or 10 minutes (25°C~35°C/77 °F ~ 95 °F).

The Focus Light should NOT continuously turn ON more than 10 minutes when using fresh Oxyride batteries due to higher initial voltage producing excessive heat.

This limitation of Focus Light continuous mode will be 60 minutes after making more than 30 normal (-1.5EV or less) flashes or 10 (FULL ~ -1EV) flashes.

For maximum battery life, the Focus Light should be turned ON only when necessary to minimize heat generation and battery drain.

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Limitation on repeated flashes

The table below explains maximum number of repeated flashes (*2). Make sure to cool down light emitting part and inner electrical circuit of the strobe by NOT making flash for at least about 2 minutes (0°C ~ 25°C/32 °F ~ 77 °F) or at least about 4 minutes (25°C~35°C/77 °F ~ 95 °F).

Also additional 10 minutes cooling-down period is required by turning OFF the Main Mode Switch after total number of flashes according to the table below.

Also take extra cooling-down period to maintain initial performance of the product according to frequency of usage and generated heat.

D-2000 Switches Setting [D-2000 flash output]		Maximum number of repeated flashes		Total number of flashes
Main Mode Switch	EV. Control Switch	0°C~25°C 32 °F ~ 77 °F	25° ~ 35°C 77 °F ~ 95 °F	
FULL	--	10 flashes	5 flashes	50 flashes
M-0.5▼-6	-0.5, -1	10 flashes	5 flashes	50 flashes
	-1.5, -2, -2.5, -3	30 flashes	15 flashes	100 flashes
	-3.5, -4, -4.5, -5, -5.5, -6	50 flashes	25 flashes	150 flashes
S-TTL	-- [Marginal far end] (*3)	10 flashes	5 flashes	50 flashes
S-TTL "Low"	-- [approx. -1.5EV.~-3EV.] (*4)	30 flashes	15 flashes	100 flashes
	-- [less than approx.-3.5EV.] (*5)	50 flashes	25 flashes	150 flashes
	-- [Marginal far end] (*3)	10 flashes	5 flashes	50 flashes
AUTO	-- [approx. -1.5EV.~-3EV.] (*4)	30 flashes	15 flashes	100 flashes
	-- [less than approx.-3.5EV.] (*5)	50 flashes	25 flashes	150 flashes
	-- [Marginal far end] (*3)	10 flashes	5 flashes	50 flashes

*2 Repeated flashes at or less than 30 seconds intervals.

*3 Actual flash output is marginal far end of exposure range (S-TTL/AUTO: approx. Full~-1EV., S-TTL "Low" : approx. -1EV.)

*4 Actual flash output is approximately -1.5EV.~-3EV.

*5 Actual flash output is less than approximately -3.5EV.

Please make sure to read 「Safety Precautions」 and 「1. Preparing To Take Images」 / 「3. After Taking Image」 of User Manual [Basic Operation] for safety operation of your D-2000 Strobe

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