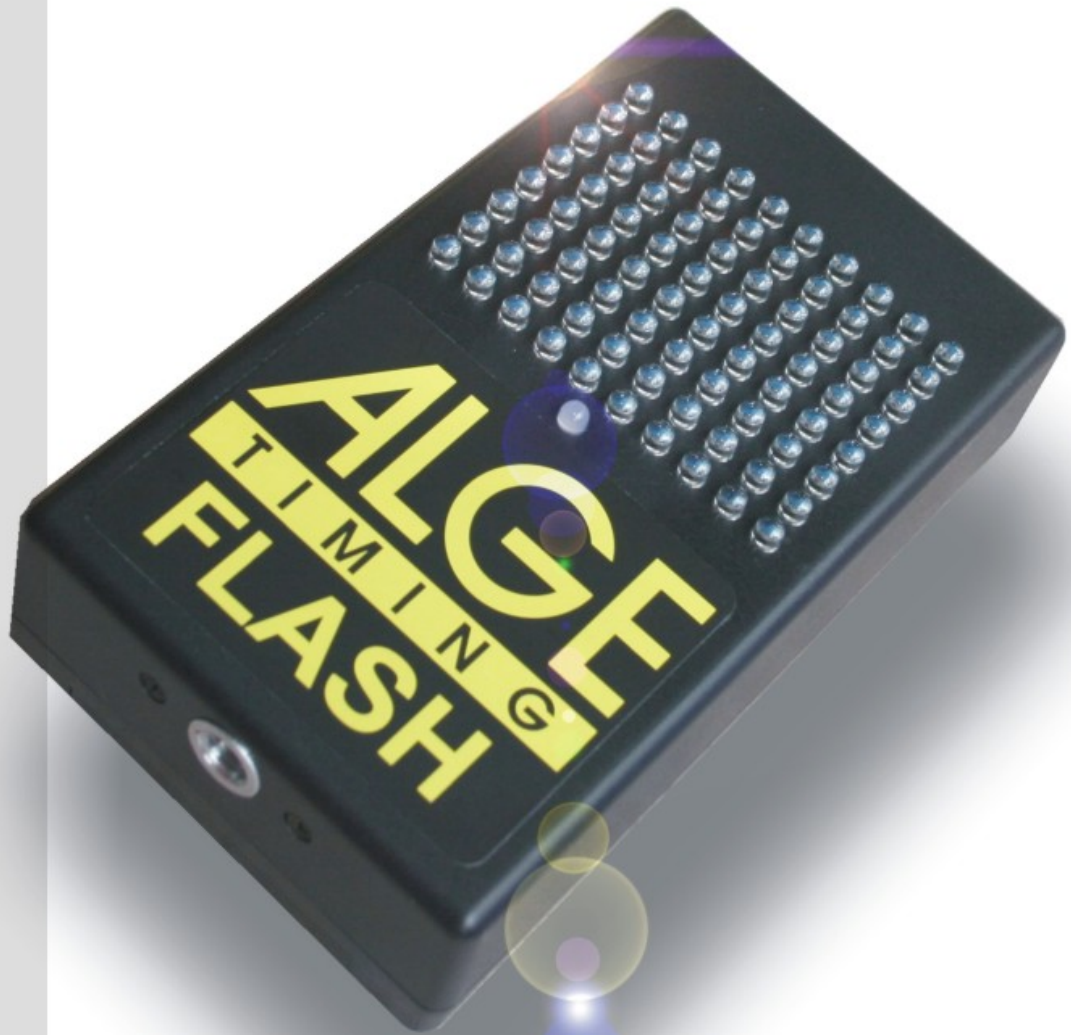
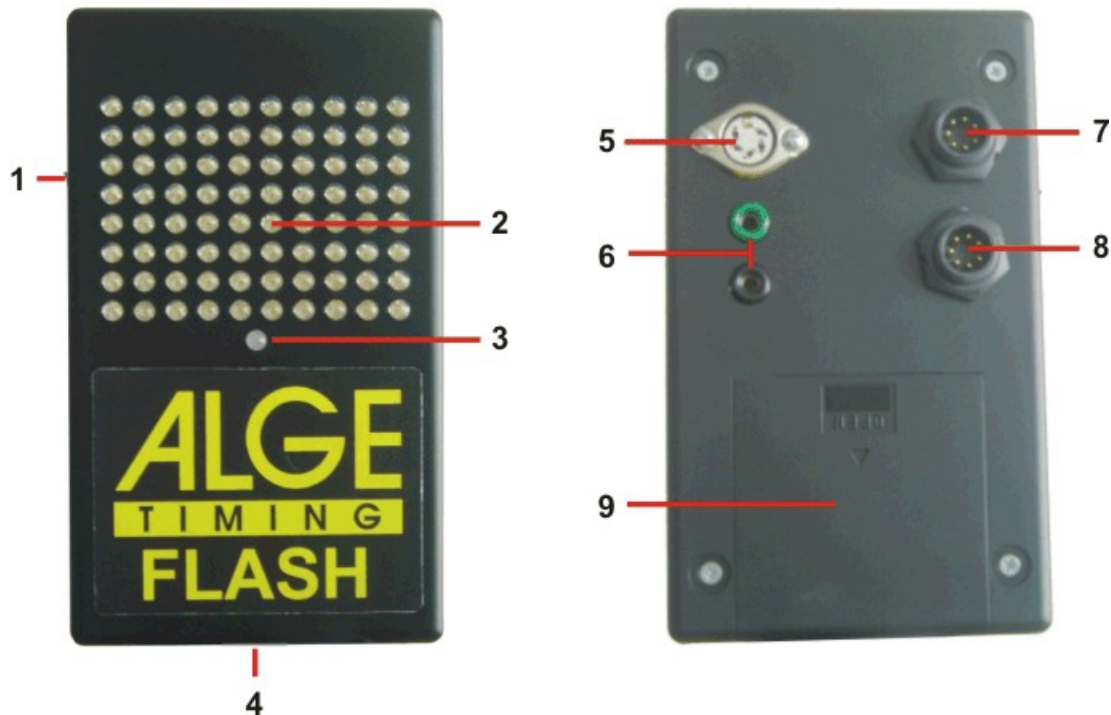


FLASH



ALGE-TIMING

Control Elements

- 1 On- / Off switch
- 2 LED-Flash
- 3 Battery status with LED
- 4 Tripod socket with 3/8 Inch thread
- 5 DIN-socket
- 6 Banana socket for FLASH (e.g. external push button)
- 7 Socket to connect the SU2 or connect to another FLASH
- 8 Socket to connect the SU2 or connect to another FLASH
- 9 Battery cover for 4 pieces of AA-Alkaline batteries

Copyright:

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Subject to technical alterations in terms of improvement!

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1 Device Description

The ALGE FLASH is an optical start device. The first start impulse (e.g. from external push button or start gun) produces a flash. If a second impulse comes within 5 seconds it produces an blinking flash to signalize a false start.

The FLASH helps depth athletes to have the same start conditions than the others. Further it is a useful tool to for a accurate manual timing if the start is far from the hand timer. The acoustic sound travels very slow and causes a delay until the manual timing person presses the button. With the FLASH this delay does not exist.

2 Power Supply

There are different options to supply the FLASH.

2.1 External Supply

- ☞ Power supply PS12, NLG8, NLG4
- ☞ 12 V battery
- ☞ External supply from +4 to 18 VDC

2.2 Internal Supply

Battery compartment for 4 AA-Alkaline batteries (see picture to the right).

Operating Time (with one start-flash per minute):

- About 24 hours until yellow warning LED shows almost empty batteries.
- About 30 hours until FLASH turns off.

2.3 Battery Status

The battery status is shown on a LED on the front side of the FLASH:

- LED blinks greenbattery is OK
- LED blinks yellowbattery must be changed soon
- LED blinks redbattery must be changed



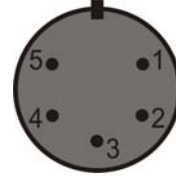
3 Technical Data

Flash: 80 super bright LED, view angle of about 25°

Connections:

DIN-Socket (5-pin)

- 1 impulse channel (C0)
- 2 empty
- 3 ground
- 4 external supply in (4 – 18 VDC)
- 5 + 5 VDC out



LTW Socket (7-pin)

- 1..... impulse channel (C0)
- 2..... talk (for SU2)
- 3..... ground
- 4..... 12 VDC in
- 5..... status
- 6..... empty
- 7..... empty



Banana Socket

- Green impulse channel (C0)
- green ground

Power Supply:

Internal:

4 x AA-Alkaline battery 2 Ah or

External:

with power supply PS12, 12 V battery or 4 -18 VDC

Operating Time:

with internal 4 x AA-Alkaline batteries (with one start-flash per minute):

- about 24 hours until the yellow battery warning light comes on
- about 30 hours until the FLASH turns off

Mounting:

3/8 Inch thread to mount the FLASH on a tripod

Temperature Range:

-20 to 40°C

Measurement:

about 160 x 96 x 50 mm

Weight:

about 0,3 kg (without battery)