ALGE
TIMING

THE SPORTS TIMING EXPERTS

Selftimer SF3 and Speedy

Selftimer SF3

Self Service Timing for Permanent Race Courses

The Selftimer SF3 is an automatic timing system for skiing. Thus, every skier can measure his time and make private ski duels with friends or family members.

Components of the System

Display Board D-SF150-O-6-E0 or D-SF250-O-6-E0
Six extra bright, red LED digits with a figure height of 150 mm (D-SF150) or 250 mm (D-SF250) ensure the best visibility even in direct sunlight. The integrated electronic controls the entire SF3 system, including minimum and maximum run time and start light indicator. The display board shows either run time or speed. The display board can also be used with other ALGE-TIMING timing devices.

Selftimer Start Light SF3L
The start light is mounted at the start and regulates the starting sequence. The green light indicates that you can start, and the red light will light up aft er the start, until the previous competitor has reached the finish or a maximum run time has elapsed.

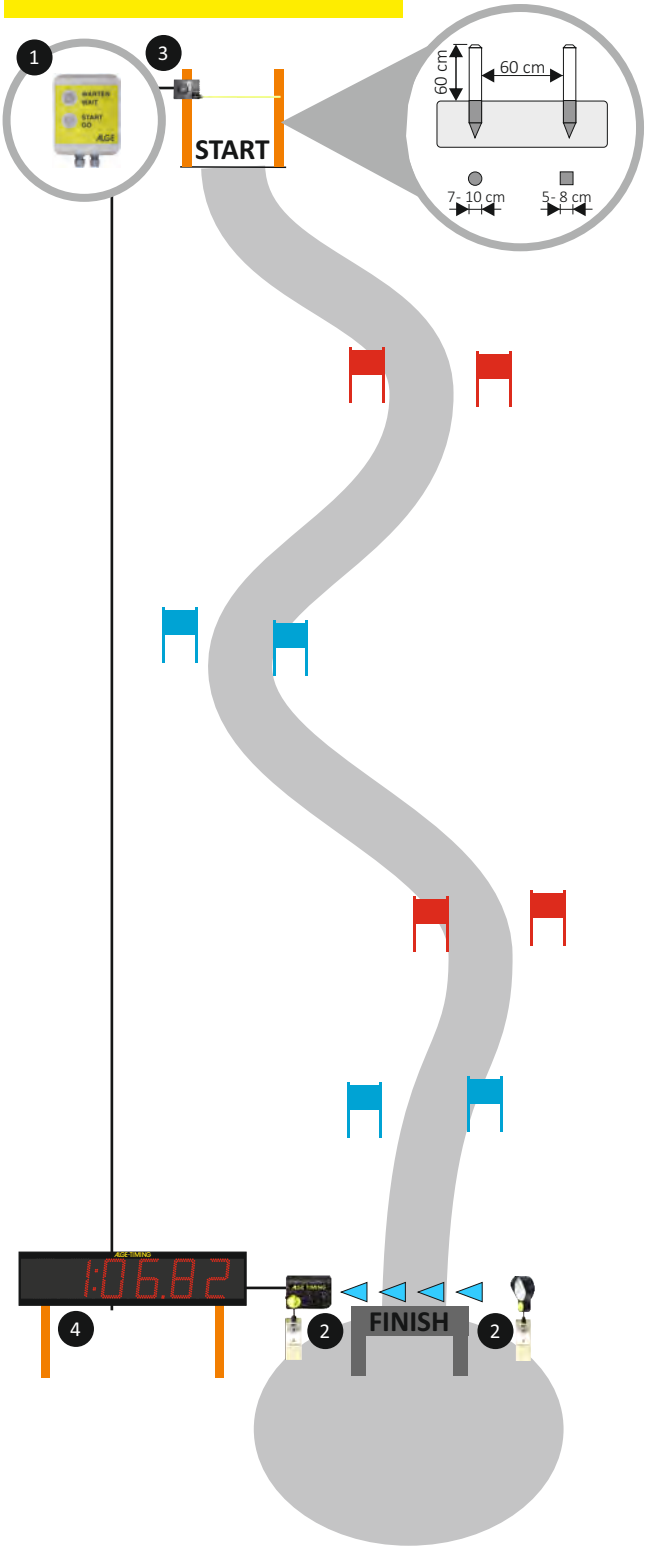
Startgate STSnA1
The startgate is used to trigger the start. The STSnA1 has a startwand that automatically closes and is equipped with a mounting chain.

Photocell PR1a
The photocell is used for the timing device at the finish or for the speed measurement. It consists of a transmitter/receiver unit and a reflector, both of which are easily and precisely aligned with a ball head. The photocell is screwed onto a mounting bracket and attached to a wooden post with a chain. A cover protects the lens of the photocell from rain and snow.

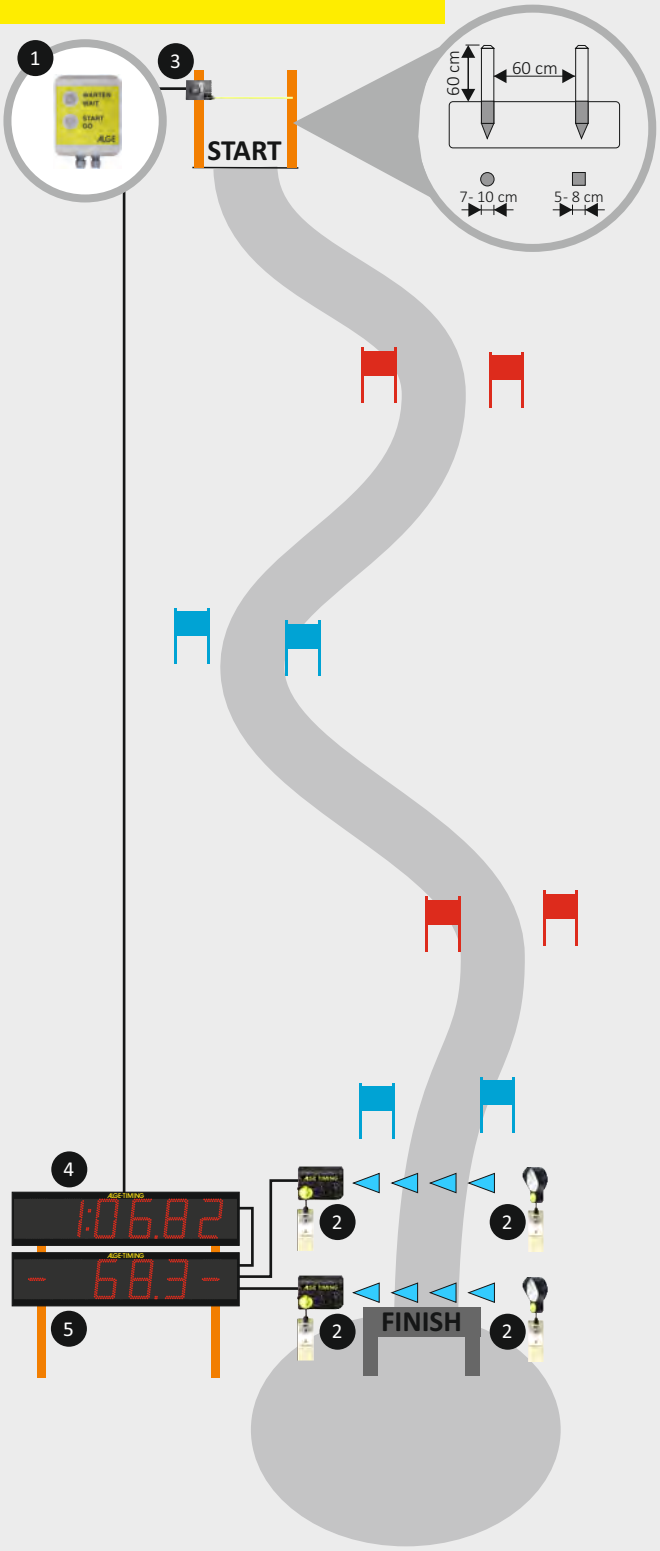
Display Board D-LINE150-O-6-E0 or D-LINE250-O-6-E0
In Comparison to the D-SF the D-LINE display board has no selftimer controller integrated. This display board can also be used at the start, so that the racers waiting at the start can see the times.

Selftimer SF3

Time Measurement



Time Measurement and Speed



1. SF3L
2. Photocell PR1a-R
3. Startgate STSnA1
4. Display Board D-SF150-O-6-E0 or D-SF250-O-6-E0 showing time
5. Display Board D-LINE showing speed

Selftimer SF3

Selftimer SF3

Selftimer SF3-L150
· with startgate and photocell
· display board 6-digit, LED, 150 mm digit height
· start light red and green

Selftimer SF3-L250
· same as SF3-L150
· display board 6-digit, LED, 250 mm digit height

Selftimer SF3-2L150
· same as SF3-L150
· second photocell for speed measurement at the finish line
· display alternately shows run time and speed

Selftimer SF3-2L250
· same as SF3-2L150
· display board with 250 mm digit height

Selftimer SF3-22L150
· same as SF3-L150
· second photocell for speed measurement at the finish line
· second display board (D-LINE150-O-6-E0) to display speed or runtime

Selftimer SF3-22L250
· same as SF3-22L150
· display board with 250 mm digit height

Technical Data

Power supply:	100- 240 VAC and 12 VDC, respectively
Power consumption:	max. 20 Watts for SF3-L150 or SF3-P150 max. 45 Watts for SF3-L250 or SF3-P250
Operating temperature:	-30 °C to +40 °C
Time resolution:	1/100 second
Run time:	24 hours
Time setting:	it is possible to set the minimum and maximum time allowed for a competitor

Necessary cables and connections:

Selftimer System with Start Light SF3L
Cable between start and display board: 1 pair (2-core cable)
Power supply: 100 – 240 VAC or 12 VDC for display board

A 2-core cable is required between the start and finish. The cable from the start to the finish is not included in the scope of delivery and must have a maximum loop resistance of 130 Ohm.

SPEED MEASUREMENT

Speedy

The Permanent Speed Check for Skiers

The ALGE-TIMING Speedy is a permanent speed check for skiers, with which every skier can measure his/her own speed. A radar measures the speed of an approaching skier und displays the speed on a display board. For the speed measurement a closed slope is recommended. Each skier has to go down the slope individually. The installation of the radar is very easy on a post at the side of the speed measuring slope. Therefore, the maintenance of the slope is very easy.

The Speedy is used successfully in many ski resorts worldwide. Because of the attraction for skiers it is often installed on less frequented slopes to bring more skiers to that area.

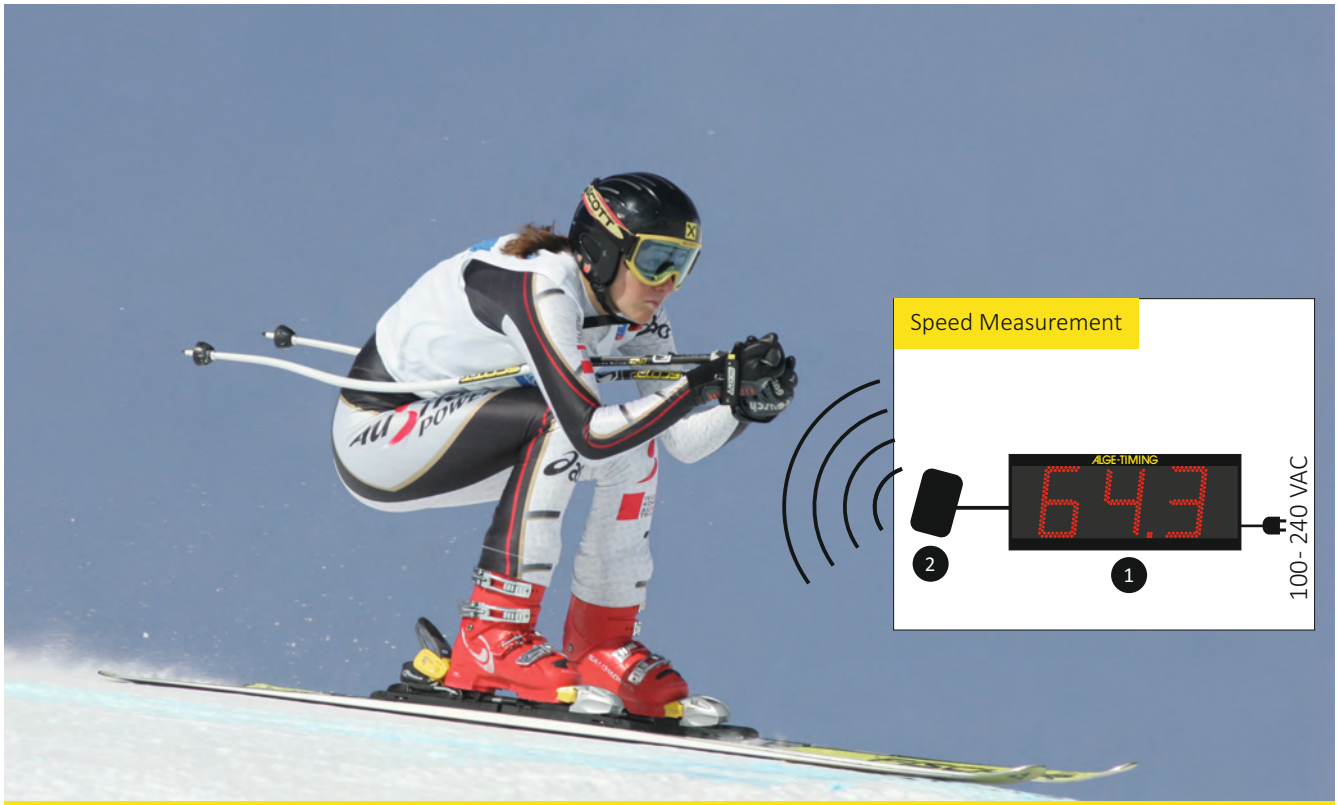
1 **Speedy 150-3-R:**
LED display board D-LINE150-O-3-E0 with three digits with 150 mm digit height, radar D-RAD and cables

1 **Speedy 250-3-R:**
LED display board D-LINE250-O-3-E0 with three digits with 250 mm digit height, radar D-RAD and cables

2 **Radar D-RAD:**
radar to measure the speed of a skier

Technical Data

Power supply:	100- 240 VAC and 12 VDC
Power consumption:	max. 17 watts (Speedy 150-3-R)
	max. 37 watts (Speedy 250-3-R)
Operating temperature:	-30 °C to +40 °C
Speed:	from 1.0 to 99.9 km/h
Measuring unit:	km/h, m/s or mph



1 Display Board D-LINE150-O-3-E0 or D-LINE250-O-3-E

2 Radar D-RAD

DISPLAY BOARD

D-LINE

The multifunctional LED display board

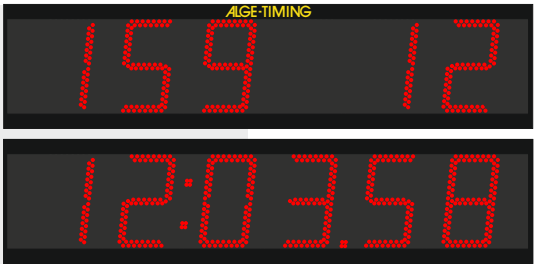
The ALGE-TIMING D-LINE can universally be used. It is a numeric LED display board, directly controlled by ALGE-TIMING timing devices. Via RS232 interface data from other devices can also be displayed.

The integrated clock can be used in stopwatch or countdown mode and show the exact time of day. If the D-LINE is equipped with DCF, GPS and/or temperature sensor, the temperature can be displayed in addition to the exact time of day, even if no timing device is connected. The outdoor models differ from the indoor models mainly by much brighter LEDs. This ensures perfect readability even at direct sunlight. The standard display boards have six digits, other configurations are available.

Compared to other display systems (electromagnetic display boards), the D-LINE is more cost-efficient and weighs less. With its brightness, it sets itself apart especially when placed in dark areas.

Possible Extensions:

- DCF radio receiver
- GPS radio receiver
- temperature sensor (max. two sensors)
- humidity sensor
- Ethernet connection (for time synchronization via Ethernet)



Technical Data

- LED seven-segment digits with three dots between digits
- internal clock
- internal push button
- RS232 and RS485 interface
- connections:
  - banana socket for data (Rs232)
  - banana socket for data (Rs485)
  - banana socket for external manual push button
- Aamphenol socket (four-pin) for data or power supply (12 VDC)
- integrated power supply (100- 240 VAC, 50- 60 Hz)
- fastening:
  - 4 hangers
  - ¾“ thread for tripod
- black aluminum case with red front plexiglass
- operating temperature: -20°C to +60°C

Possible Digit Heights

Indoor:	57 mm
	100 mm
Outdoor:	80 mm
	150 mm
	250 mm
	450 mm
	600 mm
	800 mm
	1,000 mm
	1,500 mm

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