

# ALGE

T I M I N G



THE SPORTS  
TIMING EXPERTS

Football / Soccer



# FOOTBALL / SOCCER

## Scoreboards

Soccer scoreboards are used for small sport facilities, but also in large soccer stadiums and must meet different requirements. In order to guarantee the best possible readability, the scoreboards are available with digit heights from 30 to 150 cm (11.8 to 59 inch). The brightness of the scoreboard is adapted to

the ambient light, which means that the red LEDs are also very well readable in direct sunlight. In dark light conditions, such as at night, the brightness can be reduced. The scoreboard is controlled by a control console connected by cable or radio.



# FOOTBALL / SOCCER

## Scoreboards





# FOOTBALL / SOCCER

## Scoreboards

These soccer scoreboards count the game time in minutes (two digits) and the score, which is displayed, depending on the model, from 0 to 9 or from 0 to 19 for each team. The display board is controlled by radio using a simple control panel with 3 buttons.

The models are mainly designed for outdoor use and include a soccer scoreboard with radio receiver D-RX and control unit D-CKNF-TXA.



D-CKNF-TXA

### D-LINE300-O-4-E2

Figure Height: 30 cm (11.8")  
Readability: up to 150 m  
Game time: 2 digits in minutes  
Score: per team from 0 to 9  
Dimensions: 1800 x 550 x 70 mm

### D-FB300-4-O-WR

Figure Height: 30 cm (11.8")  
Readability: up to 150 m  
Game time: 2 digits in minutes  
Score: per team from 0 to 9  
Dimensions: 1100 x 900 x 70 mm



D-LINE300-O-4-E2

### D-LINE300-O-2 2X19-E1

Figure Height: 30 cm (11.8")  
Readability: up to 150 m  
Game time: 2 digits in minutes  
Score: per team from 0 to 19  
Dimensions: 2200 x 550 x 70 mm

### D-FB300-2&2XH-O-WR

Figure Height: 30 cm (11.8")  
Readability: up to 150 m  
Game time: 2 digits in minutes  
Score: per team from 0 to 19  
Dimensions: 1100 x 900 x 70 mm



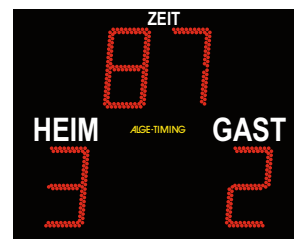
D-LINE450-O-2+2-E2

### D-LINE450-O-4-E2

Figure Height: 45 cm (17.7")  
Readability: up to 200 m  
Game time: 2 digits in minutes  
Score: per team from 0 to 9  
Dimensions: 2500 x 800 x 70 mm

### D-FB300-450-2&2XH-O-WR

Figure Height: 30 cm (11.8") and 45 cm (17.7")  
Readability: up to 200 or 150 m  
Game time: 2 digits in minutes (45 cm)  
Score: per team from 0 to 9 (30 cm)  
Dimensions: 1600 x 1000 x 70 mm



D-FB300-4-O-WR

### D-LINE450-O-2 2X19-E1

Figure Height: 45 cm (17.7")  
Readability: up to 200 m  
Game time: 2 digits in minutes  
Score: per team from 0 to 19  
Dimensions: 2500 x 800 x 70 mm

### D-FB450-4-O-WR

Figure Height: 45 cm (17.7")  
Readability: up to 200 m  
Game time: 2 digits in minutes  
Score: per team from 0 to 9  
Dimensions: 1700 x 1200 x 70 mm



D-LINE450-O-2+2x19-E1

### D-FB450-2&2XH-O-WR

Figure Height: 45 cm (17.7")  
Readability: up to 200 m  
Game time: 2 digits in minutes  
Score: per team from 0 to 19  
Dimensions: 1700 x 1200 x 70 mm



D-FB300/450-2+2xH-O-WR

# FOOTBALL / SOCCER

## Scoreboards



The scoreboard models show the score and time next to each other (one line). Outside it shows the score and in the middle the time. The models that are used for soccer only consist of four digits, that show the game time in minutes and seconds. The models that are for soccer and athletics have six digits. When used for athletics it shows the run time in minutes, seconds and 1/100th. The score for each team is from 0 to 9 or 0 to 19 depending on the model.

The controller has an integrated display. The standard model needs a cable between the scoreboard and the controller. On request, the scoreboard is controlled by a radio. The scoreboard is designed for outdoor use and figure heights of 30 and 45 cm are available.



Controller D-CKN

### D-LINE300-O-6-E2-T

Figure Height: 30 cm (11.8")  
 Readability: up to 150 m  
 Game time: 4 digits in minutes and seconds  
 Score: per team from 0 to 9  
 Dimensions: 2300 x 550 x 70 mm

### D-LINE300-O-8A-E2 (also for athletics)

Figure Height: 30 cm (11.8")  
 Readability: up to 150 m  
 Game time: 6 digits in minutes, seconds and 1/100 seconds  
 Score: per team from 0 to 9  
 Dimensions: 2800 x 550 x 70 mm



D-LINE300-O-6-E2-T



D-LINE450-O-6-E2-T

### D-LINE450-O-6-E2-T

Figure Height: 30 cm (11.8")  
 Readability: up to 200 m  
 Game time: 4 digits in minutes and seconds  
 Score: per team from 0 to 9  
 Dimensions: 3300 x 800 x 70 mm

### D-LINE450-O-8A-E2 (also for athletics)

Figure Height: 45 cm (17.7")  
 Readability: up to 200 m  
 Game time: 6 digits in minutes, seconds and 1/100 seconds  
 Score: per team from 0 to 9  
 Dimensions: 4100 x 800 x 70 mm



D-LINE300-O-4 2x19-E1



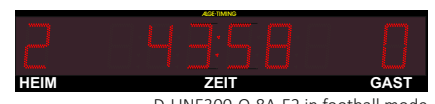
D-LINE450-O-4 2x19-E1

### D-LINE300-O-4 2x19-E1

Figure Height: 30 cm (11.8")  
 Readability: up to 150 m  
 Game time: 4 digits in minutes and seconds  
 Score: per team from 0 to 19  
 Dimensions: 2300 x 550 x 70 mm

### D-LINE300-O-6 2x19-E1 (also for athletics)

Figure Height: 30 cm (11.8")  
 Readability: up to 150 m  
 Game time: 6 digits in minutes, seconds and 1/100 seconds  
 Score: per team from 0 to 19  
 Dimensions: 2800 x 550 x 70 mm



D-LINE300-O-8A-E2 in football mode



D-LINE300-O-8A-E2 in athletics mode

### D-LINE450-O-4 2x19-E1

Figure Height: 45 cm (17.7")  
 Readability: up to 200 m  
 Game time: 4 digits in minutes and seconds  
 Score: per team from 0 to 19  
 Dimensions: 3300 x 800 x 70 mm

### D-LINE450-O-6 2x19-E1 (also for athletics)

Figure Height: 45 cm (17.7")  
 Readability: up to 200 m  
 Game time: 6 digits in minutes, seconds and 1/100 seconds  
 Score: per team from 0 to 19  
 Dimensions: 4100 x 800 x 70 mm



D-LINE450-O-8A-E2 im in football mode



D-LINE450-O-8A-E2 in athletics mode



D-LINE300-O-6 2x19-E1 in football mode



D-LINE450-O-6 2x19-E1 in athletics mode



Controller D-CKN-WNT-A



Controller D-CKN with external keyboard



# FOOTBALL / SOCCER

## Scoreboards

These soccer scoreboards display the game time with 4 digits, in minutes and seconds. Some models can display the time with 6-digits and are usable as well for athletics competitions. Depending on the model, the score will be 0 to 9 or 0 to 19, per team.

The controller has an integrated display. The standard model needs a cable between the scoreboard and the controller. On request, the scoreboard is controlled by a radio. The scoreboard is designed for outdoor use and figure heights of 30, 45, 60, 100 and 150 cm are available.



Controller D-CKN

### D-FB3-19-300

Figure Height: 30 cm (11.8")  
Readability: up to 150 m  
Game time: 4 digits in minutes and seconds  
Score: per team from 0 to 19  
Dimensions: 1200 x 850 x 70 mm

### D-FB3-19-600

Figure Height: 60 cm (23.6")  
Readability: up to 300 m  
Game time: 4 digits in minutes and seconds  
Score: per team from 0 to 19  
Dimensions: 2490 x 800+1000 x 70 mm

### D-FB3-19-A-300

Figure Height: 30 cm (11.8")  
Readability: up to 150 m  
Game time: 6 digits in min., sec. and 1/100 sec.  
Score: per team from 0 to 19  
Dimensions: 1700 x 850 x 70 mm

### D-FB3-19-A-600

Figure Height: 60 cm (23.6")  
Readability: up to 300 m  
Game time: 6 digits in min., sec. and 1/100 sec.  
Score: per team from 0 to 19  
Dimensions: 3400 x 800+1000 x 70 mm

### D-FB3-19-450-1

Figure Height: 45 cm (17.7")  
Readability: up to 200 m  
Game time: 4 digits in minutes and seconds  
Score: per team from 0 to 19  
Dimensions: 1900 x 1400 x 70 mm

### D-FB3-19-1000

Figure Height: 100 cm (39.4")  
Readability: up to 500 m  
Game time: 4 digits in minutes and seconds  
Score: per team from 0 to 19  
Dimensions: 3800 x 1200+1500 x 70 mm

### D-FB3-19-A-450

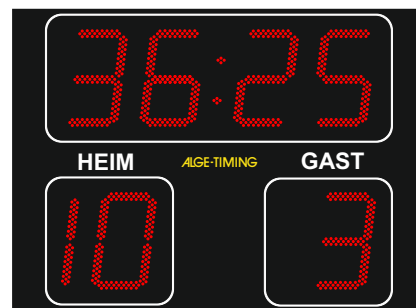
Figure Height: 45 cm (17.7")  
Readability: up to 200 m  
Game time: 6 digits in min., sec. and 1/100 sec.  
Score: per team from 0 to 19  
Dimensions: 2491 x 1400 x 70 mm

### D-FB3-19-1500

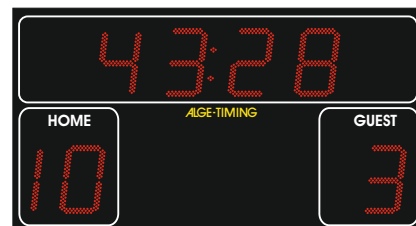
Figure Height: 150 cm (59")  
Readability: up to 750 m  
Game time: 4 digits in minutes and seconds  
Score: per team from 0 to 19  
Dimensions: 5200 x 1800+2200 x 70 mm

### D-FB3-19-600/450

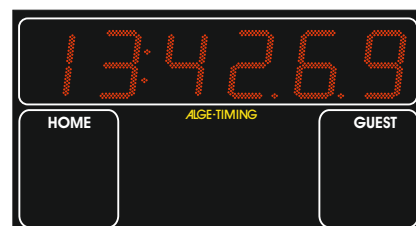
Figure Height: 60 cm and 45 cm  
Readability: up to 300 and 200 m  
Game time: 4 digits in minutes and seconds  
Score: per team from 0 to 19  
Dimensions: 2000 x 600+1000 x 70 mm



D-FB3-19-450-1



D-FB3-19-A-450-1 in football mode



D-FB3-19-A-450-1 in athletics mode



D-FB3-19-600/450

# FOOTBALL / SOCCER

## Scoreboards



All soccer scoreboards contain a controller. The controller can differ from model to model and is expandable on request.

### Controller with integrated display for scoreboards that show the time with at least 4-digits

D-CKN: standard control for all models with a minimum 4-digit time display

D-CKN-WTN-A: expandable alternative- integrated- rechargeable battery and radio WTN so that the operator can move freely in the football field

### Controller without display with 3 buttons and integrated radio for scoreboards that show the time with 2 digits

D-CKNF-TXA: standard controller for scoreboards that display the time on 2-digits, complete with integrated radio and battery

### Radio for Soccer Scoreboards

When switching from controller D-CKN to a controller with integrated radio, it needs as well a radio receiver WTN-DB (surcharge) for the scoreboard.

**Attention:** Radio controlled scoreboards also require a power supply from mains.



Controller D-CKN



Controller D-CKN-WTN-A



Controller D-CKNF-TXA

### Accessories for Soccer Scoreboards

DCF radio receiver D-DCF: The time is always precise to the second and it switches automatically between summer and winter time.

Reception: Central Europe

GPS receiver D-GPS: The time is always precise to the second and it switches automatically between summer and winter time.  
Reception: Worldwide

Temperature sensor D-AT2: The temperature is displayed when the scoreboard is not needed for football. It is possible to display the time of day and temperature alternating.

Light sensor D-LS: The brightness is automatically adjusted to the ambient light conditions.

Models with text display: It is possible to add a matrix display to the soccer scoreboard. Depending on the size of the matrix display board D-RTNM, it can display, e.g. the club names or advertising.



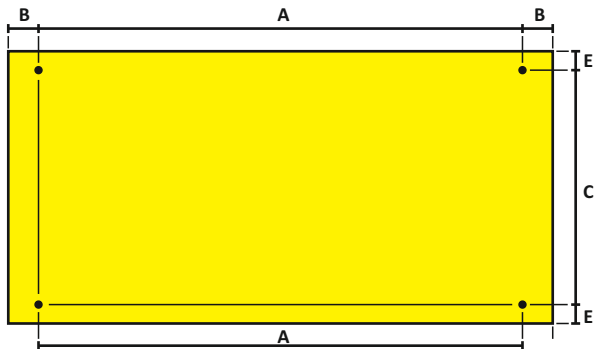
Example D-FB3-19-450 and D-RTNM matrix



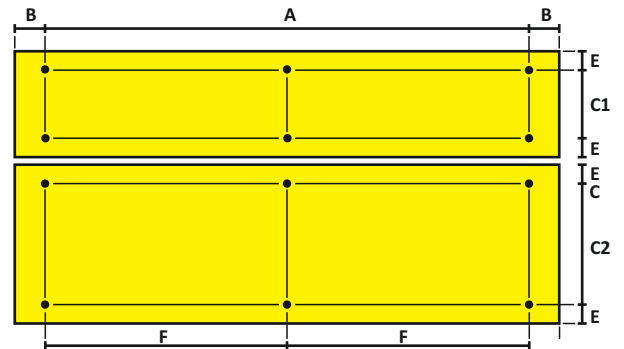
# FOOTBALL / SOCCER

## Scoreboards

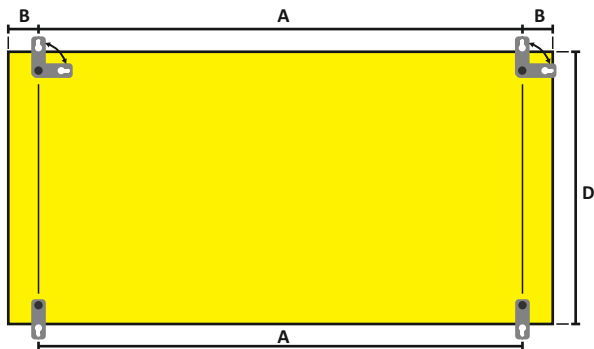
### Assembly



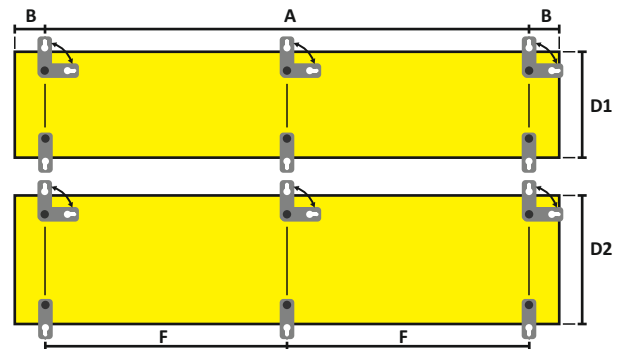
D-FB3-19-xxx mounting holes - all with M6



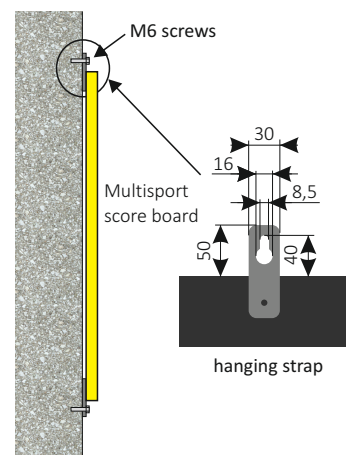
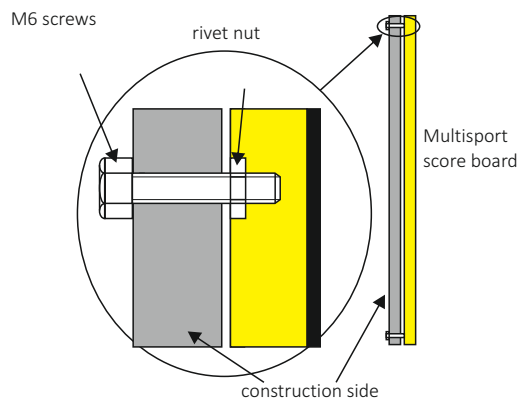
D-FB3-19-xxx mounting holes - all with M6



D-FB3-19-xxx mounting with hanging straps



D-FB3-19-xxx mounting with hanging straps



Mounting on the same mounting structure, fastened with M6 screws from the back



# FOOTBALL / SOCCER

## Scoreboards



### Dimensions

Model	Scoreboard Parts	Length*	Height*	Width*	Weight**	Fixing Holes or Hanging Lugs	A*	B*	C, C1, C2*	D, D1, D2*	E*	F*	Figure Height*	Caption Height*
D-LINE300-O-4-E2	1	1.800	550	70	20	4	1.400	200	480	590	35	-	300	80
D-LINE300-O-2+2x19-E1	1	1.800	550	70	20	4	1.400	200	480	590	35	-	300	80
D-LINE300-O-6-E2-T	1	2.300	550	70	25	4	1.900	200	480	590	35	-	300	80
D-LINE300-O-4+2x19-E1	1	2.300	550	70	25	4	1.900	200	480	590	35	-	300	80
D-LINE300-O-8A-E2	1	2.800	550	70	30	4	2.400	200	480	590	35	-	300	80
D-LINE300-O-6+2x19-E1 O	1	2.800	550	70	30	4	2.400	200	480	590	35	-	300	80
D-LINE450-O-4-E2	1	2.500	800	70	40	4	2.100	200	730	840	35	-	450	130
D-LINE450-O-2+2x19-E1	1	2.500	800	70	40	4	2.100	200	730	840	35	-	450	130
D-LINE450-O-6-E2-T	1	3.300	800	70	52	4	2.900	200	730	840	35	-	450	130
D-LINE450-O-4+2x19-E1	1	3.300	800	70	52	4	2.900	200	730	840	35	-	450	130
D-LINE450-O-8A-E2	1	4.100	800	70	66	4	3.700	200	730	840	35	-	450	130
D-LINE450-O-6+2x19-E1	1	4.100	800	70	66	4	3.700	200	730	840	35	-	450	130
D-LINE600-O-4-E2	1	3.300	1.100	70	73	4	2.900	200	1.030	1.140	35	-	600	180
D-LINE600-O-2+2x19-E1	1	3.300	1.100	70	73	4	2.900	200	1.030	1.140	35	-	600	180
D-LINE600-O-6-E2-T	1	4.200	1.100	70	92	4	3.800	200	1.030	1.140	35	-	600	180
D-LINE600-O-4+2x19-E1	1	4.200	1.100	70	92	4	3.800	200	1.030	1.140	35	-	600	180
D-LINE600-O-8A-E2	1	5.100	1.100	70	112	4	4.700	200	1.030	1.140	35	-	600	180
D-LINE600-O-6+2x19-E1	1	5.100	1.100	70	112	4	4.700	200	1.030	1.140	35	-	600	180
D-FB300-4-O-WR	1	1.100	900	70	20	4	700	200	830	940	35	-	300	80
D-FB300-2+2xH-O-WR	1	1.100	900	70	20	4	700	200	830	940	35	-	300	80
D-FB300/450-2+2xH-O-WR	1	1.600	1000	70	32	4	1.200	200	930	1.040	35	-	300/450	80
D-FB450-4-O-WR	1	1.700	1200	70	40	4	1.300	200	1.130	1.240	35	-	450	100
D-FB450-2+2xH-O-WR	1	1.700	1200	70	40	4	1.300	200	1.130	1.240	35	-	450	100
D-FB3-19-300	1	1.200	850	70	21	4	800	200	680	890	35	-	300	50
D-FB3-19-A-300	1	1.700	850	70	33	4	1.300	200	680	890	35	-	300	150
D-FB3-19-450	1	1.900	1.400	70	55	4	1.500	200	1.350	1.460	35	-	450	150
D-FB3-19-A-450	1	2.490	1.400	70	70	6	2.090	200	1.330	1.440	35	1.045	450	150
D-FB3-19-600/450	2	2.000	600/1.000	70	64	2 x 6	1.600	200	530/930	640/1.040	35	800	600/450	200
D-FB3-19-600	2	2.490	800/1.000	70	90	2 x 6	2.090	200	730/930	840/1.040	35	1.045	600	200
D-FB3-19-A-600	2	3.400	800/1.000	70	120	2 x 6	3.000	200	730/930	840/1.040	35	1.045	600	200
D-FB3-19-1000	2	3.800	1.200/1.500	70	205	2 x 6	3.400	200	1.130/1.430	1.240/1.540	35	1.700	1.000	250
D-FB3-19-1500	2	5.200	1.800/2.200	70	416	2 x 6	4.800	200	1.730/2.130	1.840/2.240	35	2.400	1.500	300

\* Dimensions in mm

\*\* Weight in kg



# FOOTBALL / SOCCER

## Video Walls

ALGE-TIMING also has customised solutions for using a LED scoreboard and a video wall in the stadium at the same time. For example, the score and time can be controlled via the D-CKN

controller on both scoreboards. It is important that the time comes from one source, not that the two display boards show a different time.



- 1 Game Controller D-CKN with keyboard
- 2 Football Scoreboard (e.g. D-FB3-19-450-1)

- 3 PC for Video Screen Control
- 4 Video Wall

- 5 Video Wall Controller



# BALL SPORTS

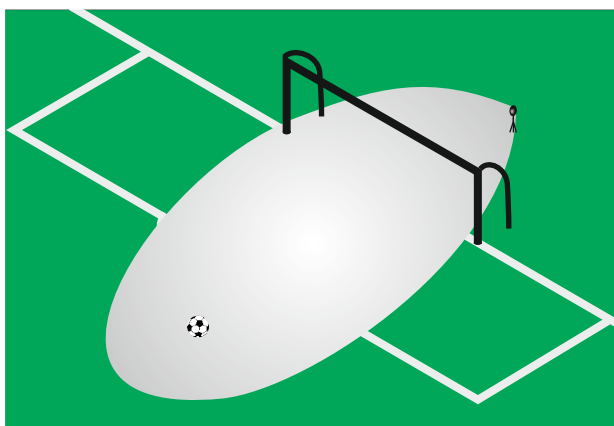
## Ballspeed BS-R



- The Ballspeed BS-R is used to measure the speed of balls for different sports
- The Ballspeed BS-R measures the speed of moving objects up to 300 km/h (186 mph)
- Balls are picked up by the radar sensor also through goal nets
- The ballspeed is shown on an LED display board
- Compact and rugged system
- Fast and easy setup

### Supported Sports

- Football (Soccer and American Football)
- Handball
- Ice Hockey
- Bandy



sketch of measuring range for football (soccer)

### Available Models:

#### Ballspeed BS-R150:

Radar sensor to measure the ball speed with additional LED display board to show the speed (3 figures, 15 cm figure height). The radar and tripod is fastened on tripods. The system needs mains (100- 240 VAC) or an external 12 V battery.

#### Ballspeed BS-R250:

Radar sensor to measure the ball speed with additional LED display board to show the speed (3 figures, 25 cm figure height). The radar and display board is fastened on tripods. The system needs mains (100- 240 VAC) or an external 12 V battery.

### Components of the System (depending on model):

#### Radar Sensor:

Radar sensor that gives accurate results over a wide measuring range.

- Radar Frequency: 24.125 GHz
- Transmission Power: <5 mW
- Speed Measurement: 10 to 300 km/h (6 mph to 186 mph)
- Measuring Angle: about 40°
- Accuracy: <100 km/h (< 62 mph): about +/- 2 km/h  
>100 km/h (> 62 mph): about 2%



#### Display Board D-LINE150-O-3-E0:

Display board with 3 red LED figures, figure height 15 cm (5.9 in), readable up to 70 m (230 feet), best readability even at direct sun light, aluminium case for outdoor use, to show the speed, including integrated power supply (100- 240 VAC). The radar is connected at the display board with a cable. The radar sensor is supplied by the display board.



#### Display Board D-LINE250-O-3-E0:

Display board with 3 red LED figures, figure height 25 cm (9.8 in), readable up to 70 m (394 feet), best readability even at direct sun light, aluminium case for outdoor use, to show the speed, including integrated power supply (100- 240 VAC). The radar is connected at the display board with a cable. The radar sensor is supplied by the display board.



Tripod TRI128: to mount the display board

Tripod TRI-S4: with integrated head to mount the radar sensor

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