

Nevco Scoreboard Company

User Manual

Serial No. _____
(Located in the battery compartment)

Model: OUTDOOR PORTABLE

- Size: 3 ft. x 2 ft. x 2½ in.
- Approximate weight: 17 lbs. complete with battery
- Power requirements: Rechargeable scoreboard battery pack (included),
2 AA Control batteries (included)



**Scoreboards • Message Centers
Video Displays**

Since 1934

Retain this manual in your permanent file.

Thank You

Congratulations on purchasing a Nevco Outdoor Portable Scoreboard! Since 1934 we have been serving sports venues around the world and we appreciate your selecting Nevco! We are always glad to hear comments and suggestions from our customers ... don't hesitate to call or email us at any time!

The OUTDOOR PORTABLE SCOREBOARD has been specifically designed to provide the multi-sport flexibility, ease of use, and convenience that our customers have requested. Hand-held control, full battery power, and light-weight portability mean maximum usage options—no cables, wires, or electric sources needed! Every organization can now enhance the game experience—for players and fans—at an affordable price.

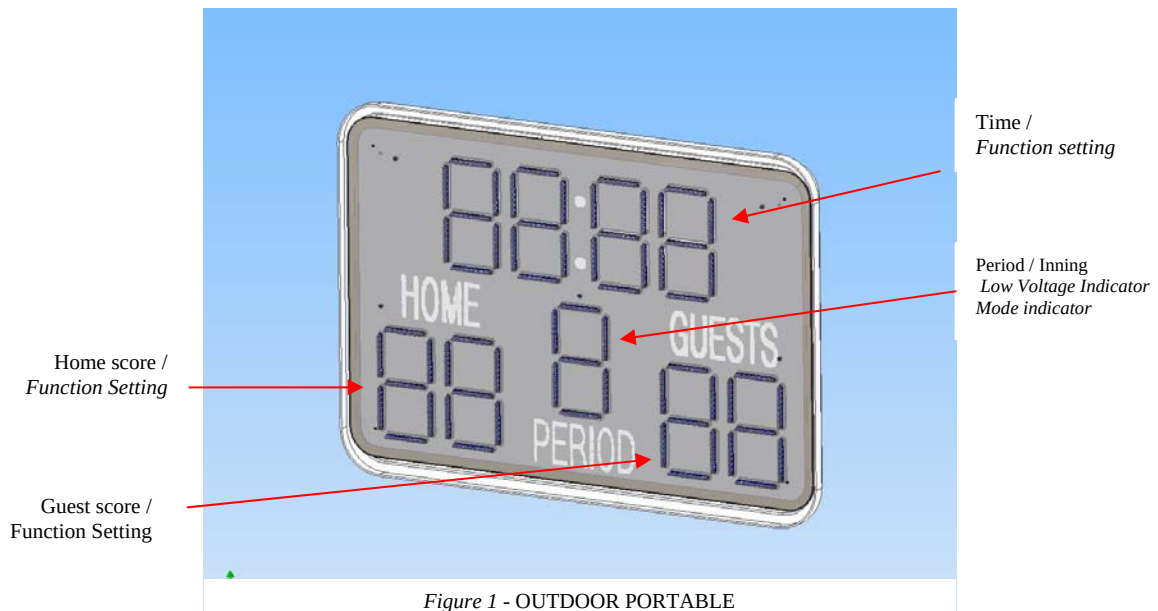


Figure 1 - OUTDOOR PORTABLE

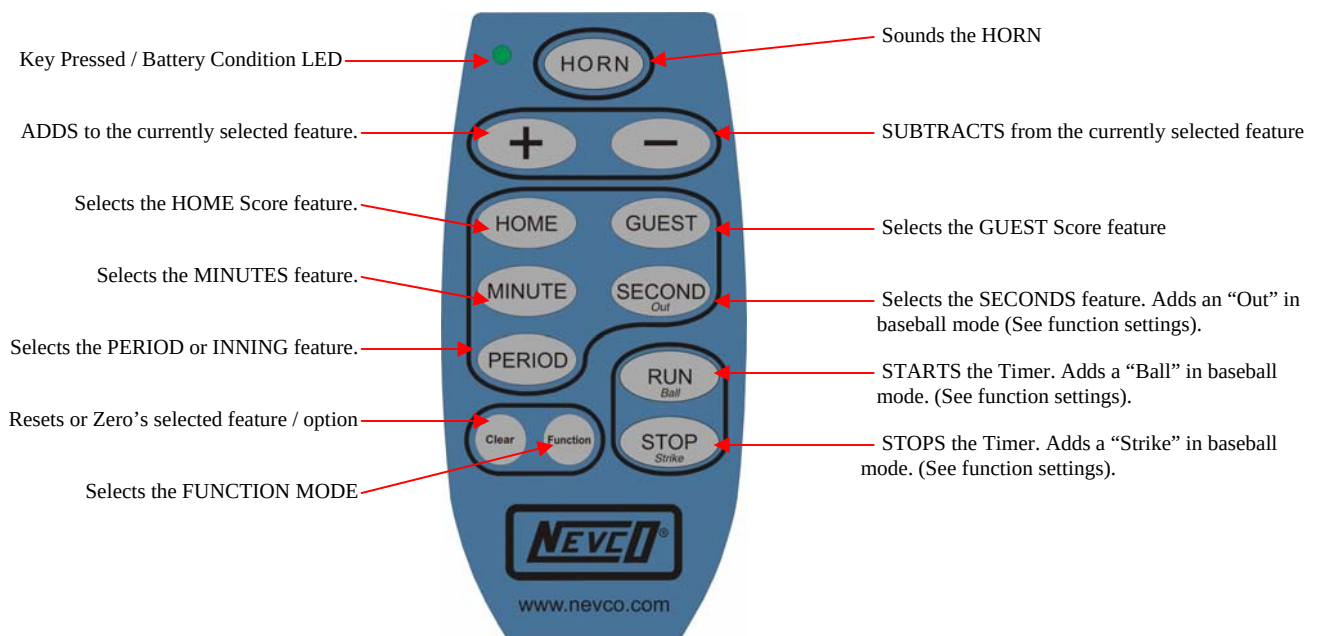


Figure 2

Scoreboard Control

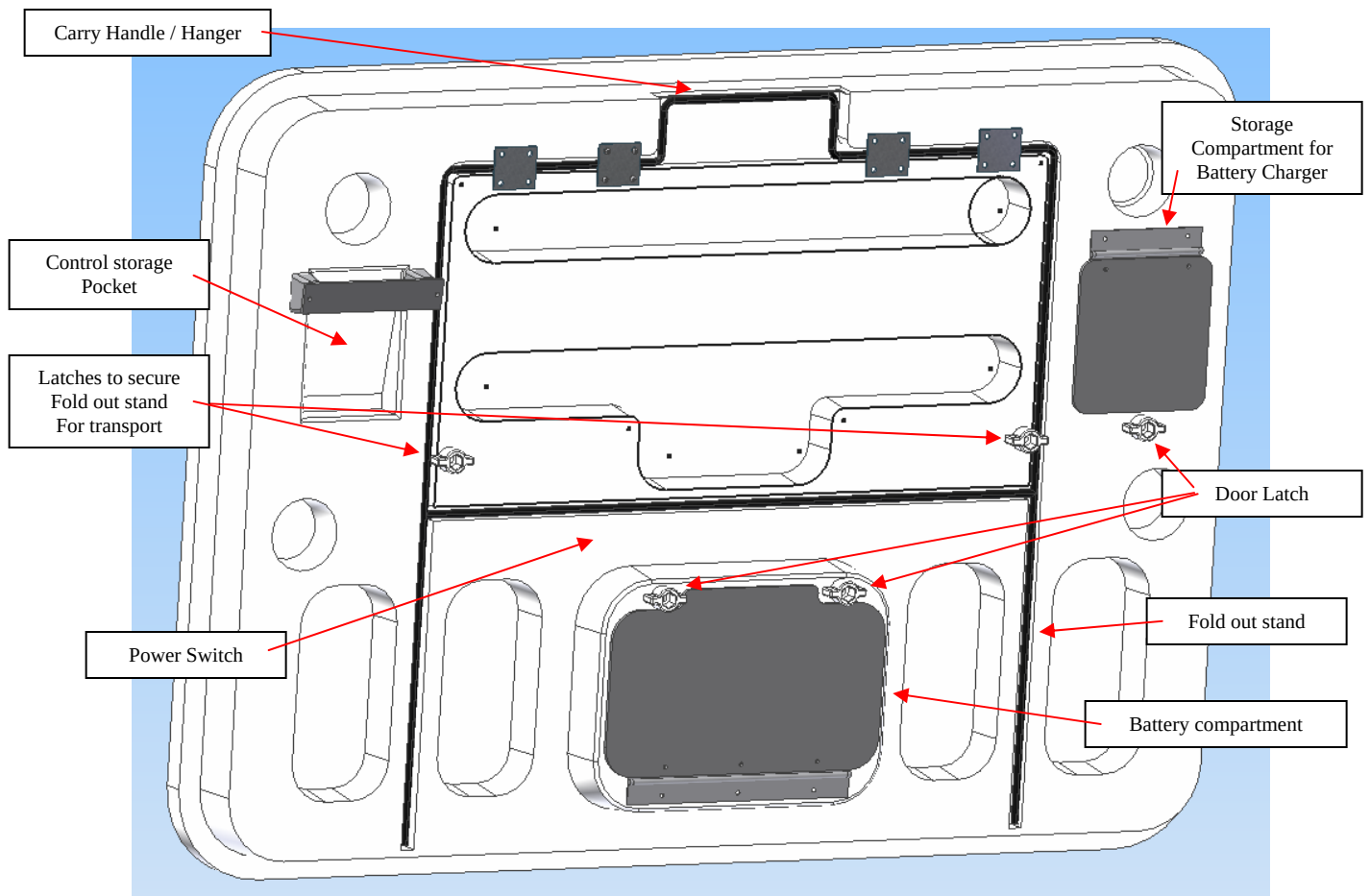


Figure 3

OUTDOOR PORTABLE
(Rear view)



Figure 4 – Scoreboard Battery Charger

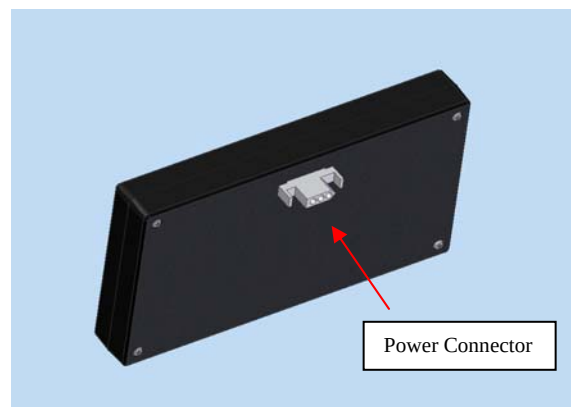


Figure 5 – Scoreboard Battery

System Preparation

Charging the Lithium Scoreboard battery

- a. Remove the battery from the scoreboard (see figure 3).
- b. Connect the charger to the battery.
- c. Plug the charger into a 115 volt ac outlet.
- d. Charging time will depend on battery condition. Usually a full charge is achieved in about 4 to 5 hrs.. The charger will turn itself off when the battery is fully charged.
- e. An LED on the charger indicates the charging status. The following table shows the LED indications.

LED	Condition
Flash 50/50	Rapid Charge
ON	Charge Complete
Blip 10/90	Charge Pending, waiting for cool down
Fast Blip	Charge Failure, See troubleshooting guide
Off	No AC or Battery

- f. A fully charged battery in good condition should operate the scoreboard for approximately 6 hrs.
- g. Extra battery packs are available for continuous use.
- h. The battery should be recharged after each use.
- i. The scoreboard will remember the FUNCTION options and the scoreboard data even with the battery disconnected. The scoreboard data will be displayed when a charged battery is connected and the power switched on.
- j. The scoreboard power switch is located on the back of the scoreboard near the battery. (See figure 3). The switch should remain off when the scoreboard is not in use to conserve battery charge.

Danger

- Never use the batteries with anything other than specifically designed equipment.
- Always use the battery charger prescribed by Nevco LX0315SUT4SNNS.
- Never heat or incinerate the battery.
- Never impact, pierce or crush the battery.
- Never disassemble or modify the battery. The battery contains a circuit designed to enhance safety. Damaging this circuit may cause overheating, fire or bursting.
- Never charge a battery under high temperature conditions, such as near a fire or in the direct sunlight. If the ambient temperature is too high, the protection circuit may be actuated preventing further charging, or damage to the battery pack.
- Never short-circuit the battery by connecting the positive and negative terminals with a metal material. Do not store or carry the battery where it could come into contact with metal objects such as a key chain or necklace.
- Never allow the battery to get wet or be immersed in water.

Warning

- Do not place the battery in a microwave oven or high pressure container.
- Stop charging if the battery is not charged after the prescribed charge time.
- If leakage of the electrolyte occurs, or if there is an offensive odor, immediately keep the battery away from any source of fire or spark.
- If you become aware of any abnormal phenomena, such as odor, discoloration, or deformation, during use, while charging or when storing the battery, remove the battery from the device or charger and stop using.
- In the event the electrolyte comes into contact with the eyes, flush thoroughly with clean water, without rubbing. Consult with a physician immediately.

Choosing a site for the scoreboard

- a. The scoreboard is constructed of durable materials; Nevco recommends a location that will minimize the chance of physical damage.
- b. The scoreboard can stand alone with the integrated fold out stand for easy setup on the ground, or it can be hung on a fence.
- c. For maximum visibility locate the scoreboard to minimize sun glare during game time.
- d. The operator needs to be able to see and read the digits on the scoreboard.
- e. The range will vary depending on conditions. The wireless control range is 0 to 250 feet. Greater range can be achieved by maintaining a clear line of sight from the control to the scoreboard.

Control Power

- a. The control operates on two 1.5 volt AA batteries. Heavy Duty Alkaline batteries are recommended.
- b. The batteries are located beneath a sliding panel on the back of the control. Be sure to observe polarity as marked inside the battery compartment.
- c. There is no power on switch on the control. Power is consumed only while a key is depressed to maximize battery life. A set of fresh batteries can be expected to last a year.
- d. An LED on the control blinks to acknowledge each key press. The color of this LED indicates the battery condition. When the LED is green the batteries are good. When the LED is red battery power is limited and the batteries will need to be replaced soon.

Storing

Storing Between Games

- a. Place the control in its storage pocket in the back of the scoreboard (see figure 3).
- b. Recharge the scoreboard battery and reinstall it in the scoreboard (see figure 3).
- c. Be sure the scoreboard power switch is turned off (see figure 3).
- d. Store the scoreboard in a safe dry location.

Storing Between Seasons

- a. Remove the batteries from the control to prevent possible damage from a leaky battery.
- b. Return the control to its storage compartment in the back of the scoreboard (see figure 3).
- c. Recharge the scoreboard battery and reinstall it in the scoreboard (see figure 3).
- d. Be sure the scoreboard power switch is turned off (see figure 3).
- e. Store the scoreboard in a safe dry location.

Operation

Turning the scoreboard on

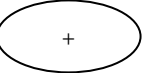
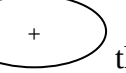
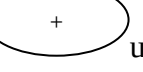
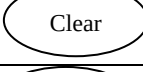
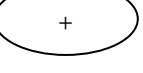
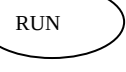
- The operator's control is stored in a pocket on the back of the scoreboard. (see figure 3)
- Turn the scoreboard power switch on. (see figure 3)
- Adjust the brightness level as desired. (see "Using the Function key")
- A low battery will be indicated by a 'b' in the Period digit. The scoreboard will operate for approximately 10 more minutes.

Note: Operating below the brightest setting will lengthen the expected battery discharge time.

Be sure to turn the scoreboard power switch off and return the control to its storage compartment when the game has ended.

Scoreboard control:

- Select the part of the scoreboard that you want to modify by pressing and releasing one of the HOME, GUEST, MINUTE, SECOND, or PERIOD keys.
- Add one, Subtract one, or Clear the value by pressing +, -, or Clear respectively.
- Holding down the + or - key for 3 seconds will cause the value to begin jumping by a count of 5.
- Press RUN to start the time. The time will count down to zero if the timer direction is set to down, or up if the timer direction is set to up. Pressing STOP halts the timer. The horn will sound when zero is reached. ("Auto horn" can be disabled in function mode).
- Pressing the HORN key will sound the horn for 2 seconds. If the key is held down, it will continue to sound until the key is let up.

Action Description	Key Sequence	Example Result
Add one to the HOME team score.	Press  release, then 	15:00 HOME 1 GUESTS 0001 PERIOD 00
Add two to the GUEST team score.	 then  then 	15:00 HOME 1 GUESTS 00 PERIOD 0002
Subtract one from the GUEST team score.	 then 	15:00 HOME 1 GUESTS 00 PERIOD 1110
Set the HOME team score to zero.	 then 	15:00 HOME 1 GUESTS 1100 PERIOD 00
Set the time to 15 minutes.	 then hold down  until the time reaches 15:00	0015:00 HOME 1 GUESTS 01 PERIOD 00
Clear out the time.	 then  then  then 	1500:0034 HOME 1 GUESTS 00 PERIOD 02
Add one to the PERIOD.	 then 	15:00 HOME 1 GUESTS 00 PERIOD 10
Start the time running.		1514:5900 HOME 1 GUESTS 00 PERIOD 00

Using the Function key:

- The Nevco Portable has special feature functions that can be set to meet your needs. To change these options press FUNCTION. An “F” will appear in the Period display and an indication of the function that can be changed is displayed in the time area. The current setting will be displayed in the score area.
- Each press of the FUNCTION key will move to the next function until all options are exhausted and the normal scoreboard mode returns. When the scoreboard is turned on, it is always in the scoreboard mode.
- While the desired function is displayed press + or – to change the option.

Function	Displayed	Description	Default Setting
Hours	“hOUr”	Set hours in the time(0–9). See “ Setting Hours in the Time ”.	0
Brightness	“brit”	Sets the brightness level for daytime or nighttime viewing (1 to 3)	2
Timer direction	“tndr”	Sets the direction the timer will count (dn or UP)	Down
Auto Horn	“Ahrn”	Enables or disables the Auto Horn (En or dS)	Enabled
Horn Tone	“tOnE”	Changes the horn tone (0-5)	0
Baseball	“bbAL”	Switches between time and Balls\Strikes\Outs (En or dS)	Disabled
Segment Timer	“SEgd”	Allows for programming of the portable as a segment timer. (See “ Segment Timer Programming ”.)	Disabled

Note: To return to scoreboard operation press FUNCTION repeatedly until all options are exhausted.

Note: These settings will be remembered by the scoreboard even if the battery is removed.

Setting Hours in the Time:

For games that extend beyond 99 minutes and 59 seconds, hours can be added to the time through the function menu. When there are hours set, the time will display hours:minutes and the left-most digit in the time will flash a segment at a rate of 1 second so it is known that the time is running. A maximum of 9 hours can be added to the time, for a maximum time of 9:59:59. When the time drops below 1 hour, the time display will shift to minutes:seconds.

Segment Timer Programming:

A segment timer is used for pacing organized practices. Typically, a segment consists of a drill that is run for a set period of time. Once the time has expired, a new segment is entered and the drill changes. The segment timer will count down from the programmed segment time to zero. The current segment number is shown in the HOME score display. The Nevco Portable has a maximum of 40 segments. To program the segments:

- Press the function key until the time display says “SEgd”.
- Press the + or - key to enable the segment timer. The time display says “SEgE”.
- Press HOME and then the + key to enter the segment timer programming mode.
- The time area will now display the time for the segment shown in the HOME score.
- Press HOME and then the + and – key to scroll through segments 01 - 40.
- Adjust the time to the desired length for each segment in the same way that time is adjusted in the normal scoreboard mode. For example, if segment 1 is to be 30 seconds. Press the SECOND key and then + until 30 appears in the seconds portion of the display time.
- To disable the segment timer, press the function key until the time display reads “SEgE”. Press the + or – key and the time displays “SEgd”.
- Pressing the function key anywhere in the segment timer menu jumps out of segment timer programming.
- While out of the function mode, RUN starts the timer, STOP halts the timer, and Clear resets the segment to segment 01.

Segment timer example:

To program a segment timer of the following configuration:

Segment	Segment Time
1	00:30
2	1:00
3	00:00

Follow the steps outlined on the next page.

Action Description	Key Sequence
Enter the segment timer menu.	Function until time reads "SEgd".
Enable the segment timer	+ time reads "SEgE".
Enter programming mode.	HOME then + time now reads "00:00" or the last programmed value. HOME score now reads " 1"
Set segment 1 time	SECOND then hold down + until time reads 00:30.
Scroll to Segment 2	HOME then + to change the HOME score to " 2"
Set segment 2 time	MINUTE then + time now reads 01:00.
Scroll to Segment 3	HOME then + to change the HOME score to " 3"
Set segment 3 as end.	MINUTE Clear SECOND Clear time now reads 00:00.
Exit Segment timer programming.	Function Normal scoreboard mode returns.
Start the segment timer	RUN The time will count down from 30 seconds, and the horn will sound. Then the time will count down from 1 minute, and the horn will sound. Then the sequence will repeat.

Troubleshooting

Problem	Cause	Solution
The control LED does not respond when a key is pressed.	Low or dead batteries.	Replace the two AA batteries.
The scoreboard will not light.	The scoreboard power switch is off.	Make sure the switch is on. (located near the battery compartment, see Figure 3)
	The scoreboard battery is low or discharged.	Recharge or replace the battery.
	The battery charge has failed, indicated by fast blip while charging.	Unplug charger, plug charger into wall, then plug the battery into the charger. If the LED on the charger is ON or flashing 50/50 the problem has been corrected.
		Replace the battery.
The scoreboard is displaying only parts of numbers.	The scoreboard is displaying Function mode information.	Use the FUNCTION key to exit the function mode or cycle power.
The time is counting in the wrong direction.	The time function option is set wrong.	Use the FUNCTION key to change the direction option.
The scoreboard is dim.	The brightness level option is adjusted to a dim level.	Use the FUNCTION key to adjust the brightness level.
	The scoreboard battery voltage is low. The scoreboard will shut down soon.	Recharge or replace the battery.
The scoreboard is slow or fails to respond to key presses.	The control signal is weak.	If the battery level indicator on the control is red when a key is pressed, replace the batteries.
		Move the control closer to the scoreboard.
		Move the control to achieve line of site with the scoreboard.
	Control is pointed in the wrong direction.	For maximum range, hold the control parallel to the ground and point it toward the scoreboard.
The scoreboard battery runs down sooner than expected.	Control is not linked to scoreboard.	Turn the scoreboard power switch off. Then while holding down the FUNCTION key on the control, turn the power switch on. When the horn sounds release the key.
	Brightness level is set higher than needed.	Use the FUNCTION key to adjust the brightness level.
	The battery is not being fully charged.	Try recharging the battery. Check the indicator on the charger to make sure the battery is fully charged.
	The battery is worn out.	Replace the battery.
The control batteries run down sooner than expected.	Using old or poor quality batteries.	Replace the batteries with fresh heavy duty alkaline type.
	Repeated key presses are required to get the scoreboard to respond.	See Problem (The scoreboard is slow or fails to respond to key presses.)
Scoreboard knocked over by wind.	Stand not secured.	Fold out completely, push into ground.

If the problem persists please contact the Nevco Service Department.

800-851-4040

Features

General:

- o Wireless operation (no cables to tangle or tangle with)
- o All battery powered (no power needed at the play area)
- o Timer to 99:59.(up count mode)
- o Timer from 99:59.(down count mode)
- o Hours Feature for timing down from up to 9:59:59.
- o Scores to 99 (both Home & Guest)
- o Period or Inning to 9
- o Horn
- o Baseball mode shows Balls Strikes & Outs (instead of time)
- o Segment Timer mode with up to 40 segments

Scoreboard:

- o Light weight (easy to carry)
- o Built in carry handle / hanger
- o Built in fold out stand
- o Weather resistant
- o Wind resistant
- o 8 inch LED digits
- o Selectable brightness levels
- o Wide viewing angle
- o Low battery warning
- o Removable rechargeable long life Lithium battery
- o Built in storage compartment for the control
- o Built in storage compartment for the battery charger

Control:

- o Small and light weight (fits in or clips to pocket)
- o Tactile confirmation of key pressed
- o Power conservation circuitry
- o Low battery warning
- o Long battery life
- o Uses inexpensive, readily available AA batteries
- o Weather resistant

Accessories

Advertising side wings

Advertising top wing

Storage Bag

Extra Battery

Specifications

Size:

Scoreboard:

Approximately 3' x 2' x 2½"

Control:

Approximately 3" x 5½" x 7/8"

Digit:

8" LED

Weight:

Scoreboard: 17 pounds (including battery)

Control: 5½ oz. (including batteries)

Power requirements:

Scoreboard: 11.1v DC rechargeable Lithium battery (included)

Control: Two AA cells (included)

Operating distance:

250 feet

Hours of Operation:

6 hours on a single battery charge. Additional batteries are available for continuous use.

Operating temperature:

0°F to 110°F

Certifications:

FCC part 15 Class B

Parts List

Scoreboard

Scoreboard Battery

Charger

Control

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.

—Increase the separation between the equipment and receiver.

—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

—Consult the dealer or an experienced radio/ TV technician for help.

The user is cautioned that changes and modifications made to the equipment without the approval of Nevco could void the user's authority to operate this equipment.

This class B digital apparatus meets all requirements of the Canadian Interference- Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouiller du Canada.

Nevco Guarantee

Nevco guarantees the portable for a period of two (2) years from the date of invoice against defects in workmanship or material and will be replaced or repaired without cost to the owner provided the equipment or parts are returned postage-paid to the Nevco factory. Shipping back to the owner will be surface postage prepaid except if air or special method of return is specified, then shipping will be freight collect. No charges for time or material used by others in making repairs or corrections will be paid by Nevco Scoreboard Company. Guarantee void if: any alteration or service is performed without Nevco factory authorization; or if the equipment shall have been connected to incorrect power. Equipment which is subjected to accident, neglect, abuse, misuse or other natural disasters, including but not limited to: fire, wind, lightning, flood is not covered by this guarantee.

NEVCO SCOREBOARD COMPANY

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