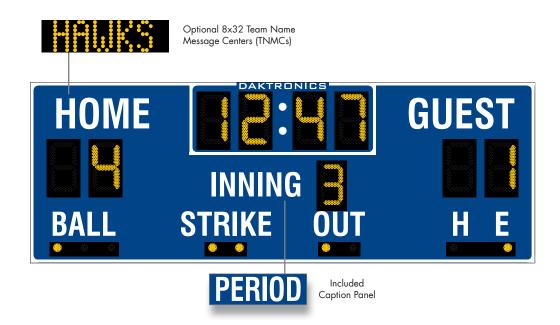
# DAKTRONICS MS-918 PRODUCT SPECIFICATIONS



This outdoor LED multisport scoreboard displays period time to 99:59, HOME and GUEST scores to 99 and INNING or PERIOD to nine with included reversible caption panel. Indicators show BALL, STRIKE, OUT, H (hit) and E (error) in baseball mode. When period time is less than one minute, the scoreboard displays time to 1/10 of a second. Scoreboard shown with optional striping and amber PanaView<sup>®</sup> digits.

		VINYL CAPTIONS (STANDARD)	TNMCS & VINYL CAPTIONS			
POWER	Red/Amber Digits	130 Watts, 1.1 Amps	200 Watts, 1.7 Amps			
(120 VAC)*	White Digits	260 Watts, 2.2 Amps	420 Watts, 3.5 Amps			
UNCRAT	ED WEIGHT	265 lb (120 kg)	345 lb (156 kg)			
DIME	NSIONS	5'-0" H x 14'-0" W x 8" D (1.52 m, 4.27 m, 203 mm)				

\*Scoreboard requires a dedicated circuit. Models with 240 VAC power at half the indicated amperage are also offered (International Use Only).

# **DIGITS & INDICATORS**

- INNING/PERIOD digit is 15" (381 mm) high. All other digits are 18" (457 mm) high. All indicators are 2" (51 mm) in diameter.
- Select red, amber, or white LED digits and indicators.
- Scoreboard features robust weather-sealed digits (see <u>DD2495646</u>).
- Digits may be dimmed for night viewing.

# CAPTIONS

- HOME and GUEST captions are 10" (254 mm) high. All other captions are 8" (203 mm) high.
- Standard captions are vinyl, applied to the display face. INNING and PERIOD captions are on a reversible panel.
- Optional TNMCs are 10.6" (269 mm) high.

#### **DISPLAY COLOR**

Choose from 150+ colors (from Martin Senour® paint book) at no additional cost.

# CONSTRUCTION

Alcoa aluminum alloy 5052 for excellent corrosion resistance

# **PRODUCT SAFETY APPROVAL**

ETL-listed to UL 48, tested to CSA standards, and CE-labeled

#### **OPERATING TEMPERATURES**

- Display: -22° to 122° Fahrenheit (-30° to 50° Celsius)
- Console: 32° to 130° Fahrenheit (0° to 54° Celsius)



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CONTROL CONSOLES	CONTROL OPTIONS					
All Sport® 1600* (see <u>SL-04352</u> ) *May be upgraded to	<b>Wired (standard):</b> One-pair shielded cable of 22 AWG minimum is required. A cover plate with mounted connector and standard 2" x 4" x 2" (51 mm x 102 mm x 51 mm) outlet box is provided. Connector mates with signal cable from control console.					
All Sport 5000 (see <u>SL-03991)</u>	<b>Wireless (optional):</b> 2.4 GHz spread spectrum radio features 64 non-interfering channels and 8 broadcast groups (see <u>SL-04370</u> ).					
<b>RC-200</b> (see <u>DD3715714</u> )	<b>Optional</b> wireless handheld controller features 2.4 GHz spread spectrum radio with 64 non-interfering channels and 8-10 hours of operation via internal rechargeable battery.					
DAK Score & MX-1 (see DD3888368)	CUSTOMER-SUPPLIED mobile device or tablet with DAK Score app installed communicates via <b>Bluetooth</b> <sup>®</sup> wireless technology to an MX-1 Interface Box that controls the scoreboard through 2.4 GHz radio or wired connection.					

Note: All Sport 5000 or DAK Score required for Team Name Message Centers.

# **SEGMENT TIMER MODE**

The segment timer mode is ideal for keeping practices on schedule. The horn at the end of a segment allows coaches and athletes to focus on the practice and to listen for the horn when it is time to change drills (see <u>SL-04004</u>).

# TIME OF DAY MODE

This scoreboard features a Time of Day (TOD) mode that allows it to act as a clock when the control console is unplugged or off. Refer to the scoreboard installation manual for instructions on how to enable the Time of Day mode.

# MOUNTING

Scoreboard is typically mounted on two vertical beams or poles. Hardware to mount scoreboard on two beams is included; hardware for more beams is at additional cost. Standard mounting uses I-beam clamps. Optional mounting method using angle brackets is also offered; maximum beam width is 12" (305 mm) and maximum beam depth is 22" (559 mm). Refer to attached drawings for more information on mounting methods.

#### **SERVICE ACCESS**

Digit panels and electronics are serviced from the front of the scoreboard.

#### **GENERAL INFORMATION**

Scoreboard provides scoring capabilities for two teams. 100% solid state electronics are housed in an all aluminum cabinet. Scoreboard is shipped in one section. Scoreboard power is to be provided on a dedicated circuit to prevent loss of game information due to failure of another component on the circuit. Specifications and pricing are subject to change without notice.

# **ADVERTISING/IDENTIFICATION PANELS**

#### **Backlit & Non-Backlit:**

1'-6" H x 14'-0" W (457 mm, 4.27 m) 2'-0" H x 14'-0" W (610 mm, 4.27 m) 2'-6" H x 14'-0" W (762 mm, 4.27 m)

For additional non-backlit panel sizes, see <u>SL-03761</u>.

#### **OPTIONS & ACCESSORIES**

- Scoreboard border striping
- Multiple caption and striping colors (see <u>DD2101644</u>)
- Team name caption in place of HOME \*
- Team names on changeable panels \*
- Programmable Team Name Message Centers (see <u>DD1696958</u>)
- Reversible HALF and QTR caption panel
- Horn
- Individual digit protective screens (see <u>SL-04939</u>)
- Protective netting (see <u>DD2690927</u>)
- Optional angle bracket mounting method
- Advertising/identification panels
- Decorative accents
- Electronic message centers and video displays in multiple sizes

\* Not available with TNMCs

#### FOR ADDITIONAL INFORMATION

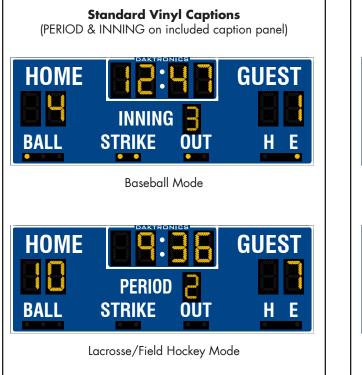
- Installation Specifications: DWG-1157187 (attached)
- Standard I-beam Mounting: DWG-1052565 (attached)
- LVX I-Beam Mounting: DWG-3918361 (attached)
- Optional Pole Mounting: DWG-1048184 (attached)
- Component Locations: DWG-1074633 (attached)
- Architectural Specifications: See <u>SL-05167</u>

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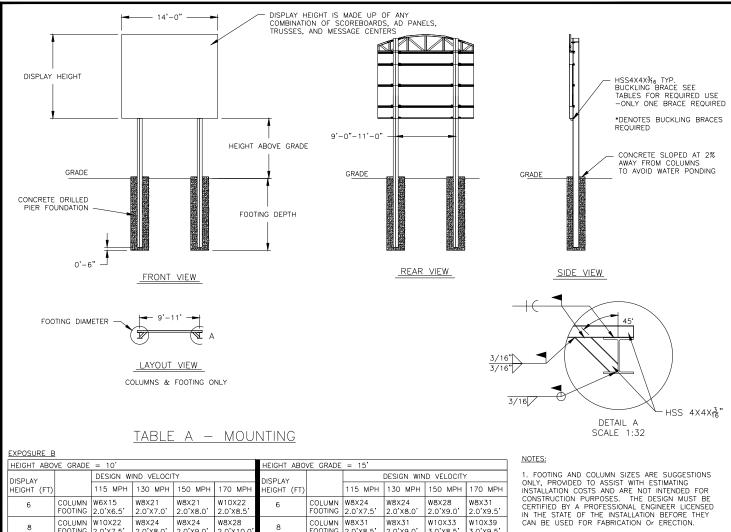
# **ALTERNATE CAPTIONS & SCORING MODES**







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2. INTERNATIONAL BUILDING CODE 2012 USED IN DESIGN OF COLUMNS AND FOOTINGS WITH, IMPORTANCE FACTOR=1, Kzt=1.0, Kd=0.85, G=0.85. SEISMIC DESIGN WAS NOT CONSIDERED.

3. FOOTING DIMENSIONS ARE BASED ON ASSUMED SOIL CLASS 4 (ALLOWABLE LATERAL BEARING PRESSURE OF 150 psf).

4. STRUCTURAL STEEL IS GRADE A992 (50 ksi) STEEL. CONCRETE SHALL HAVE A MINNIMUM 28 DAY COMPRESSIVE STRENGTH OF 2500 psi.

5. THE AVERAGE DISPLAY WEIGHT FOR A LAYOUT CAN NOT EXCEED 8 PSF.

6. DAKTRONICS INC. IS NOT RESPONSIBLE FOR STRUCTURES DESIGNED AND INSTALLED BY OTHERS.

7. LOCAL BUILDING OFFICIALS SHOULD BE CONTACTED TO DETERMINE THE WIND SPEED AND EXPOSURE CATEGORY FOR THE PROPOSED SIGN LOCATION. THE EXPOSURE CATEGORY C IS LOCATION. 1 DEFINED AS:

EXPOSURE B - URBAN AND SUBURBAN AREAS, OR OTHER TERRAIN WITH NUMEROUS SPACED OBSTRUCTIONS HAVING THE SIZE OF SINGLE-FAMILY DWELLINGS OR LARGER. THESE CONDITIONS MUST PREVAIL FOR A DISTANCE FROM THE SIGN OF AT LEAST 2,600 ft OR 20 TIMES THE SIGN HEIGHT, WHICHEVER IS GREATER

EXPOSURE C - OPEN TERRAIN WITH SCATTERED OBSTRUCTIONS HAVING HEIGHTS GENERALLY LESS THAN 30 FT. THIS CATEGORY INCLUDES FLAT OPEN COUNTRY, GRASSLANDS, AND ALL WATER SURFACES IN HURRICANE PRONE REGIONS.

8. FOR SPECIFIC PRODUCT DETAILS ON WEIGHT, MOUNTING, ETC. REFER TO THE INDIVIDUAL PRODUCT SPECIFICATION SHEETS.

		DAKTRONICS, INC. BROOKINGS, SD 57006 DO NOT SCALE DRAWING DO NOT SCALE DRAWING						
		PROJ:OUTDOOR SCOREBOARD INSTALLATION						
	TITLE:14' WIDTH S	TITLE: 14' WIDTH SCOREBOARD INSTALLATION SPECS						
UPDATED WIDE FLANGE AND FOUNDATION VALUES BY:	DESIGN: RSCHWAF	DESIGN: RSCHWAR DRAWN: RSCH				DATE: 27 NOV 13		
AMP	SCALE: 1/16"=1'	SCALE: 1/16"=1'						
UPDATED CLAMPS IN REAR AND SIDE VIEW AND BY:	SHEET	REV J		OB NO:	FUNC-TYPE-SIZE	1157187		
ADDED 170 MPH WIND SPEC COLUMN TJT		02	P16	47	E-10-A	115/18/		

HEIGHT ABO	BOVE GRADE = 10'					HEIGHT ABOVE GRADE = 15'					
DISPLAY		DESIGN WIND VELOCITY			DISPLAY		DESIGN WIND VELOCITY				
HEIGHT (FT)		115 MPH	130 MPH	150 MPH	170 MPH	HEIGHT (FT)		115 MPH	130 MPH	150 MPH	170 MPH
6	COLUMN FOOTING	W6X15 2.0'X6.5'	W8X21 2.0'X7.0'	W8X21 2.0'X8.0'	W10X22 2.0'X8.5'	6		W8X24 2.0'X7.5'	W8X24 2.0'X8.0'	W8X28 2.0'X9.0'	W8X31 2.0'X9.5'
8		W10X22 2.0'X7.5'	W8X24 2.0'X8.0'	W8X24 2.0'X9.0'	W8X28 2.0'X10.0'	8		W8X31 2.0'X8.5'	W8X31 2.0'X9.0'	W10X33 3.0'X8.5'	W10X39 3.0'X9.5'
10	COLUMN FOOTING	W8X24 2.0'X8.5'	W8X28 2.0'X9.0'	W8X31 2.0'X10.0'	W10X33 3.0'X9.5'	10		W8X24* 2.0'X9.0'	W12X26* 2.0'X10.0'	W10X33* 3.0'X9.5'	W16X36* 3.0'X11.0'
12	COLUMN FOOTING	W8X28 2.0'X9.0'	W8X31 2.0'X10.0'	W10X39 3.0'X9.5'	W12X40 3.0'X11.0'	12		W12X26* 2.0'X10.0'	W14X30* 3.0'X9.5'	W16X36* 3.0'X11.0'	W14X43* 3.0'X12.0'
14		W10X26* 2.0'X10.0'	W10X26* 3.0'X9.0'	W12X30* 3.0'X10.0'	W14X34* 3.0'X11.0'	14		W10X30* 3.0'X9.5'	W10X49* 3.0'X10.0'	W16X40* 3.0'X11.0'	W14X48* 3.0'X13.0'
FOOTING DIMENSIONS DIMETER V DEDTU											

FOOTING DIMENSIONS = DIAMETER X DEPTH \* DENOTES BUCKLING BRACE REQUIRED

#### EXPOSURE C

HE	IGHT ABO	VE GRADE	= 10'		HEIGHT ABOVE GRADE = 15'					
DISPLAY HEIGHT (FT)			DESIGN W	IND VELOCITY	DISPLAY		DESIGN WIND VELOCITY			
			115 MPH	140 MPH	HEIGHT (FT)		115 MPH	140 MPH		
	6	COLUMN FOOTING	W8X21 2.0'X7.5'	W8X24 2.0'X8.5'	6	COLUMN FOOTING	W12X26 2.0'X8.5'	W8X31 2.0'X9.5'		
	8	COLUMN FOOTING	W8X24 2.0'X8.5'	W8X28 2.0'X10.0'	8	COLUMN FOOTING	W8X31 2.0'X9.5'	W10X39 3.0'X9.5'		
	10	COLUMN FOOTING	W8X31 2.0'X9.5'	W10X33 3.0'X9.5'	10	COLUMN FOOTING	W12X30* 3.0'X9.0'	W16X36* 3.0'X11.0'		
	12	COLUMN FOOTING	W10X33 3.0'X9.0'	W12X40 3.0'X10.5'	12	COLUMN FOOTING	W14X34* 3.0'X9.5'	W16X40* 3.0'X11.0'		
	14	COLUMN FOOTING			14	COLUMN FOOTING	W14X38* 3.0'X11.0'	W14X48* 3.0'X13.0'		

FOOTING DIMENSIONS = DIAMETER X DEPTH \* DENOTES BUCKLING BRACE REQUIRED

NOTE

REV

02 REV

01

DATE: 27 OCT 15

DATE

23 JUL 14

-REFER TO NOTE 7 FOR EXPOSURE CATEGORY DEFINITIONS.

