PEGASUS LEVEL 1 multisport scoreboard

MEP1HRM - MEP1HCM

Multi-sport electronic scoreboard unit certified by the International Basketball Federation (FIBA, Level 1: Olympic Games, Official World Championships and Continental Championships).

It is made up of 6 modules (one central, one lower and four side ones) manufactured in metal structure.

This scoreboard provides clear and complete information about all the relevant parameters of the highest competition games.

The outer metal structure has rigidisers that make it a very solid unit. The metal frame is coated in black goffered polyester powder ovenpolymerised at 200°C.

The luminous digits are made up of very high luminosity LED diodes with great angularity, which enables them to be seen from any part of the court. The different digits that make up the scoreboard are manufactured with printed circuit plates where the LEDs, which define the segments, are placed. The displays are located on the front, protected with methacrylate.

Its specific design enables all the electronic components to be operated from the front of the scoreboard, so it does not need to be removed from its location.

Electronically, its design is based on the use of latest-generation microprocessors with programmable internal memory, which enables the scoreboard to be adapted to future changes in regulations.

The scoreboard is controlled by mean of HERCULES control console.

FUNCTIONS

- Programable home and visitor team names in red led digits in the top part of the central module.
- Home and visitor team scores with 30 cm red-coloured digits.
- Game period (25 cm digit).
- Time out indications with 5 luminous dots, with possibility of upgrading to 6.
- Game time (in minutes/seconds) by means of four 30 cm-green-coloured digits. The game time can be selected to count upwards or downwards depending on the chosen sport. When it works in descending mode, the seconds and tenths of a second are shown during the last minute.
- Luminous, arrow-shaped indicators, one for each team, show which team has committed the foul or which team has ball possession.
- Fouls accumulated by each team by means of 25 cm digit.
- Programmable player names in red (12 field players per team + coach in 15 cms digit size). They are made up of led diodes and can be programmed through a PC (not supplied with the scoreboard). The software necessary to carry out this programming must be installed in the computer.
- Programmable player number, by means of 15 cm digits.
- Points scored by each player, by means of 15 cm digits.
- Fouls committed by each player and coach by means of led dots (the first four in green and the fifth in red, with possibility of increasing to six). The coach will have one green dot and one red dot.
- Clock and counter function when scoreboard is not being used for scoring.
- Free space for advertising.

TYPE OF COMMUNICATION

MONDO PEGASUS LEVEL 1 can be manufactured with cable or radio frequency communication between the control panel and the scoreboard.

Cable communication (MEP1HCM)

Cable communication is carried out between the scoreboard and the console with a 100-metre cable, which is supplied with the scoreboard. The protocol used is RS485, a differential data transmision system that reaches large distances without interferences and allows several scoreboards to simultaneously receive the data transmitted by one single console.

Radiofrequency communication (MEP1HRM)

The following are the general features of radiofrequency communication:

- Radiofrequency link in commonly-used band (licence-free): 433.05-434.79 MHz

- Scope of up to 120 metres in direct visibility.
- Narrow band channels (50KHz), minimising the possibility of interferences.
- Up to 34 different channels, which allows connecting up to 34 independent scoreboards by radiofrequency in the same premises and controlled by one single console.
- Manchester code (50% redundancy) plus 25% additional redundant bits, which makes it almost impossible to accept information affected by interferences as valid.
- Information continuously refreshed, which optimises effectiveness in environments with a high interference level.
- MONDO strongly suggests cable communication where the frequency could be affected by other wireless systems. If it's a radiofrequency scoreboard, MONDO strongly suggests either to install or to store the 100 m-cable supplied, so it might be used if radiofrequency communication problems appear.

HERCULES CONSOLE

The attractive and ergonomic design of HERCULES console makes it light and highly resistant at the same time. Easy to handle, it clearly displays all the game parameters. This console is divided into two modules:

- Central score console (main Hercules console): where the sport that is going to be controlled is selected. Depending on this selection the scoring system and game time will start in agreement with the regulations of the chosen sport. The score, time outs, fouls and possession indicator arrow are controlled from it. High luminosity leds display the same information that is being displayed on the wall scoreboard.
- Time console: controls the period, the time and change from minutes/seconds to seconds/tenths-hundredths.

Both consoles are supplied in a case.

VARIANTS

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COLOR RANGE

BLACK